



Fleetwood Urban District Council  
AND  
Port Sanitary Authority.



REPORTS

ON THE

Sanitary Conditions  
of Fleetwood & Port  
DURING THE YEAR 1923.

BY

J. COLGAN, M.D., B.Ch., B.A.O.,  
*Medical Officer of Health.*



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# Fleetwood Urban District Council,

1923.

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THE SANITARY COMMITTEE AND PORT SANITARY AUTHORITY  
CONSIST OF ALL MEMBERS OF THE COUNCIL.

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*Chairman :* R. CROOKALL.

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*Vice-Chairman :* R. EAVES.

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|                            |                              |
|----------------------------|------------------------------|
| C. ATKINSON, J.P.          | T. MELLOR.                   |
| J. T. BEAL.                | H. D. PHILLIPSON.            |
| T. CARDWELL.               | W. PRESTON, J.P. (Deceased). |
| J. H. COLLINS.             | C. H. RILEY.                 |
| W. ELLIOT.                 | G. M. ROBERTSON, J.P., C.C.  |
| J. JOLLY                   | C. SAER.                     |
| (Elected 24th Oct., 1923). | W. E. SIMPSON.               |
| W. KNOWLES.                | J. E. SINGLETON, J.P.        |
| R. E. MANN.                | (Chairman of the Council).   |
| P. McNICHOLAS.             |                              |

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*Clerk and Solicitor to the Council :*

A. COTTAM.

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*Medical Officer of Health :*

D. M. GILL, M.B., C.M.  
Resigned 30th September, 1923).

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*Deputy Medical Officer of Health :*

J. COLGAN, M.D., B.Ch., B.A.O.  
(Appointed Acting Medical Officer of Health,  
13th November, 1923).

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*Sanitary Inspector and Cleansing Superintendent :*

G. PILKINGTON, M.S.I.A., M.Inst.C.S.

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*Clerk :* MISS L. ORMEROD.

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*Port Sanitary Inspector :*

M. CURR, M.I.San.A.Scot., A.R.S.I.

## STATISTICAL SUMMARY FOR THE YEAR 1923.

|                                                           |          |       |         |
|-----------------------------------------------------------|----------|-------|---------|
| AREA (Acres) Land .....                                   | 2,564    |       |         |
| Foreshire and Sea Area.....                               | 3,583    |       |         |
| POPULATION (1923) .....                                   | 19,900   |       |         |
| NO. OF INHABITED HOUSES, 1923 (Estimated).....            | 3,614    |       |         |
| NO. OF FAMILIES OR SEPARATE OCCUPIERS (1921).....         | —        |       |         |
| RATEABLE VALUE.....                                       | £110,717 |       |         |
| SUM REPRESENTED BY A PENNY RATE.....                      | £430     |       |         |
|                                                           | Total.   | Male. | Female. |
| BIRTHS .....Legitimate .....                              | 424      | 238   | 186     |
| Illegitimate .....                                        | 15       | 10    | 5       |
| BIRTH Rate (R.G.).....                                    |          |       | 22.0    |
|                                                           | Total.   | Male. | Female. |
| DEATHS .....                                              | 190      | 102   | 88      |
| DEATH RATE (R.G.).....                                    |          |       | 9.5     |
| NO. OF WOMEN DYING IN, OR IN CONSEQUENCE OF, CHILDBIRTH : |          |       |         |
| From sepsis .....                                         |          |       | —       |
| From other causes.....                                    |          |       | —       |
| DEATHS OF INFANTS UNDER ONE YEAR OF AGE :                 |          |       |         |
| Legitimate .....                                          |          |       | 26      |
| Illegitimate .....                                        |          |       | 3       |
| Total .....                                               |          |       | 29      |
| Rate per 1,000 births.....                                |          |       | 66.05   |
| DEATHS FROM MEASLES (all ages) .....                      |          |       | —       |
| DEATHS FROM WHOOPING COUGH (all ages).....                |          |       | —       |
| DEATHS FROM DIARRHŒA (under 2 years of age).....          |          |       | 3       |

### ADOPTIVE ACTS, BYE-LAWS and REGULATIONS IN FORCE IN THE DISTRICT.

The Infectious Disease (Prevention) Act, 1890.

The Public Health Acts Amendment Act, 1890.

The Public Health Acts Amendment Act, 1907 (part).

Bye-laws with respect to new streets and buildings made in 1884.

Bye-laws with respect to Common Lodging-houses made in 1889.

Bye-laws with respect to Nuisances (keeping of animals) made in 1897.

Bye-laws with respect to the management and charges for the use of Slaughter-houses, made in 1910 and 1919.

Regulations with respect to Dairies, Cowsheds, and Milkshops, made in 1910.

The Fleetwood Improvement Act, 1842,

# Fleetwood Urban District Council.

## MEDICAL OFFICER'S REPORT.

5TH JUNE, 1924.

TO THE CHAIRMAN AND MEMBERS OF THE FLEETWOOD  
URBAN DISTRICT COUNCIL.

GENTLEMEN,

I have the pleasure to present my First Annual Report on the Health and Sanitary conditions of the District during the year ending 31st December, 1923.

The population of Fleetwood to the 30th June, 1923, is estimated to be 19,900, an increase of 452 over the last Census figures. The increase of births over deaths was 249.

The Infantile Mortality Rate shows a considerable decrease, the rate being 66 for the present year, against 97 per 1,000 births for 1922 ; the mean for the ten years 1913-22 being 96 per 1,000 births.

The area of the Fleetwood Sanitary District is 2,564 statute acres. The district is divided into three wards, the areas of which are :—

|                                       | Acres. |
|---------------------------------------|--------|
| East Ward ... ..                      | 61     |
| Central Ward ... ..                   | 62     |
| West Ward ... ..                      | 2,441  |
|                                       | <hr/>  |
|                                       | 2,564  |
| Foreshore and Sea Area (West Ward)... | 3,583  |
|                                       | <hr/>  |
| TOTAL ... ..                          | 6,147  |
|                                       | <hr/>  |

## Population.

The Registrar General has supplied data of the estimated population to the middle of 1923, for calculation of the birth and death rates.

The rates are based on a population of 19,900.

## Births.

Boys—248. Girls—191. Total—439.

The number of births registered in the district was 414, and in addition to these, 25 births belonging to Fleetwood but registered elsewhere, have been added, making a total of 439. This gives a birth-rate of 22.06 per 1,000 of the population, as against 20.75 for the previous year.

The birth-rate per 1,000 of the population for the whole of England and Wales during 1923 was 19.7.

The births are distributed in the Wards as follows :—

|                     | Boys.     | Girls.    | Total.    |
|---------------------|-----------|-----------|-----------|
| East Ward ... ..    | 58        | 53        | 111       |
| Central Ward ... .. | 57        | 47        | 104       |
| West Ward ... ..    | 117       | 82        | 199       |
| Added Births ... .. | 16        | 9         | 25        |
|                     | <hr/> 248 | <hr/> 191 | <hr/> 439 |

## Illegitimate Births.

There were 15 illegitimate births, giving a percentage of 3.41 of the total births. In 1922, the number was 14, with a percentage of 3.41 of the total births.

## Deaths.

Males—102. Females—88. Total—190.

The number of deaths registered in the district was 180, but deducting 7 deaths of persons not usually resident in this

district, and adding 17 deaths of residents which occurred in other districts, the corrected number is 190.

This gives a death-rate of 9.54 per 1,000 of the population, compared with 12.60 in 1922.

The death-rate of the deaths actually occurring in the district, viz., 180, was 9.04 per 1,000.

### Table of Deaths in the Several Wards.

|                     | Males.    | Females. | Total.    |
|---------------------|-----------|----------|-----------|
| East Ward ... ..    | 35        | 30       | 65        |
| Central Ward ... .. | 29        | 30       | 59        |
| West Ward ... ..    | 38        | 28       | 66        |
|                     | <hr/> 102 | <hr/> 88 | <hr/> 190 |

### Uncertified Deaths and Inquests.

During the year there were 24 deaths (17 males and 7 females) registered, in which the cause of death was not certified by any medical practitioner. This number includes the deaths of 5 persons who did not belong to the district. An inquest was held in 15 cases, and the verdicts given by the Coroner were as follows :—

#### 1. NATURAL CAUSES :

|                               |   |
|-------------------------------|---|
| Pulmonary Tuberculosis ... .. | 1 |
| Softening of Brain ... ..     | 1 |

#### 2. BY ACCIDENT OR NEGLIGENCE :

|                                                              |   |
|--------------------------------------------------------------|---|
| Shock from injuries, explosion ... ..                        | 2 |
| Drowning ... ..                                              | 4 |
| Fracture of skull ... ..                                     | 1 |
| General Septicæmia, following injury ...                     | 1 |
| Œdema of lungs following fracture ...                        | 1 |
| Acute Periostitis of Tibia and Septicæmia from injury ... .. | 1 |
| Want of attention at birth ... ..                            | 1 |

|    |             |     |     |     |     |     |   |
|----|-------------|-----|-----|-----|-----|-----|---|
| 3. | HOMICIDE    | ... | ... | ... | ... | ... | 1 |
| 4. | SUICIDE :   |     |     |     |     |     |   |
|    | By Drowning | ... | ... | ... | ... | ... | 1 |

### Deaths in Institutions.

During the year thirteen persons belonging to the district died in the Cottage Hospital. These deaths have been distributed to the wards in which the persons were usually resident.

### The Mortality from all Causes at Subjoined Ages.

|                      |      |      |      |      |     |
|----------------------|------|------|------|------|-----|
| Under 1 year         | .... | .... | .... | .... | 29  |
| 1 and under 2 years  |      | .... | .... | .... | 11  |
| 2 „ „ 5 „            | .... | .... | .... | .... | 8   |
| 5 „ „ 15 „           | .... | .... | .... | .... | 7   |
| 15 „ „ 25 „          | .... | .... | .... | .... | 9   |
| 25 „ „ 45 „          | .... | .... | .... | .... | 22  |
| 45 „ „ 65 „          | .... | .... | .... | .... | 53  |
| 65 years and upwards | .... | .... | .... | .... | 51  |
| At all ages          | .... | .... | .... | .... | 190 |

### Infantile Mortality.

The deaths occurring in infants under one year of age were 29 (11 less than in 1922), giving a death rate of 66.05 per 1,000 births.

The rate for England and Wales was 69 per 1,000 births.

Three deaths of the illegitimate infants occurred during the year.

### Deaths from Zymotic or Chief Epidemic Diseases.

|                                                                            |       |
|----------------------------------------------------------------------------|-------|
| Diphtheria (including Membranous Croup)                                    | 3     |
| Diarrhœa and Enteritis (under two years)                                   | 3     |
|                                                                            | <hr/> |
| Total                    ...                    ...                    ... | 6     |
|                                                                            | <hr/> |

These give a death-rate of 0.3 per 1,000, compared with 0.77 in 1922 and 0.89 in 1921 ; and a percentage of deaths from these diseases to the total deaths of 3.1

### Tuberculosis.

The number of deaths from Pulmonary Tuberculosis was 14, and from other forms of Tuberculosis 4, a total of 18 (9 males and 9 females), giving a death-rate of 0.90 per 1,000, compared with 0.98 in 1922.

Those from Lung Tubercle give a death-rate of 0.70 per 1,000 compared with 0.93 in 1922.

### Respiratory Organs.

The deaths numbered 30, giving a death-rate of 1.50, as compared with 2.28 for last year, and include those from Bronchitis (16) and Pneumonia (12).

### Organic Heart Disease.

Twenty-four deaths, giving a death-rate of 1.2 per 1,000.

### Malignant Disease (Cancer).

Twenty-two deaths, giving a rate of 1.10 per 1,000.

### Infectious Disease.

Under the Infectious Diseases (Notification) Act, 1889, and later Orders, 230 cases were notified. In Table II. at the end of this Report, a detailed list will be found of the several diseases.

The following List gives the number of cases of Infectious Diseases notified and removed to hospital :—

| Nature of Disease.                   | Cases notified. | Cases removed to Hospital. |
|--------------------------------------|-----------------|----------------------------|
| Diphtheria and Membranous Croup .... | 20              | 10                         |
| Erysipelas.... ....                  | 6               | —                          |
| Scarlet Fever ....                   | 15              | 12                         |
| Poliomyelitis ....                   | 2               | —                          |
| Ophthalmia Neonatorum ....           | 2               | —                          |
| Encephalitis Lethargica ...          | 2               | 2                          |
| Acute Primary Pneumonia ....         | 20              | 1                          |
| Acute Influenzal Pneumonia ....      | 17              | —                          |
| Chicken-pox ....                     | 106             | —                          |
| Pulmonary Tuberculosis ....          | 23              | —                          |
| Other forms of Tuberculosis ....     | 17              | —                          |
| TOTALS ...                           | 230             | 25                         |

### Diphtheria.

Of the 20 cases of Diphtheria notified, 3 cases died. There were no deaths in the Isolation Hospital.

Under the Diphtheria Anti-toxin (Outside London) Order of 1910, serum is supplied free for the use of the inhabitants of the district. During the year 19 tubes of 2,000 units each, and three tubes of 8,000 units each were supplied to members of the medical profession.

Fourteen swabs were taken for bacteriological examination and seven of these gave a negative result. The number of cases in which swabs were taken, compared to the number of cases of Diphtheria notified is small, and it would be an advantage if bacteriological examination in the diagnosis of this disease was more freely made use of.

It should be noted that in the case of school children when swabs have not been taken, they are not allowed to return to their school until the completion of 21 days after they are certified as clear of the disease. Where swabs have been taken, two negative reports will entitle the child to immediate resumption of schooling. Similar rules apply to contacts.

### Scarlet Fever.

There were no deaths from Scarlet Fever during the year, and only 15 cases were notified.

The following Table shows the number of cases of Diphtheria and Scarlet Fever notified and removed to hospital during each month of the year :—

| Month.         | DIPHTHERIA. |                      | SCARLET FEVER. |                      | TOTAL CASES. |                      |
|----------------|-------------|----------------------|----------------|----------------------|--------------|----------------------|
|                | Notified.   | Remov'd to Hospital. | Notified.      | Remov'd to Hospital. | Notified.    | Remov'd to Hospital. |
| January ...    | —           | —                    | 2              | 1                    | 2            | 1                    |
| February ...   | 4           | 1                    | —              | —                    | 4            | 1                    |
| March ....     | 1           | 1                    | —              | —                    | 1            | 1                    |
| April ....     | 2           | —                    | 1              | 1                    | 3            | 1                    |
| May ....       | 1           | 1                    | —              | —                    | 1            | 1                    |
| June ....      | 3           | 3                    | 2              | 1                    | 5            | 4                    |
| July ....      | 4           | 3                    | 2              | 1                    | 6            | 4                    |
| August ....    | —           | —                    | 1              | 1                    | 1            | 1                    |
| September .... | 1           | 1                    | —              | —                    | 1            | 1                    |
| October ....   | —           | —                    | 2              | 2                    | 2            | 2                    |
| November ...   | —           | —                    | 4              | 4                    | 4            | 4                    |
| December ....  | 4           | —                    | 1              | 1                    | 5            | 1                    |
| TOTALS ....    | 20          | 10                   | 15             | 12                   | 35           | 22                   |

### **Tuberculosis.**

The notification of Tuberculosis is generally satisfactorily carried out, but two deaths were registered of tubercular cases which had not previously been notified. One of these was an Inward Transferable Death.

During 1923, there were 40 notifications of Tuberculosis (23 pulmonary and 17 non-pulmonary cases) and 23 cases received sanatoria treatment.

### **Chicken-pox.**

The notification of Chicken-pox was compulsory during the whole of the year, and 106 cases were notified. This figure cannot, however, be taken as representing the true incidence of this disease as many cases occur where parents fail to make the necessary notification.

### **Bacteriological Examinations.**

Facilities for the examination of material from suspected cases of Typhoid Fever, Diphtheria, Tuberculosis, etc., are available for all medical practitioners in the district without charge. In all 26 specimens were examined, and the results are set out in the following statement :—

|               |     | Total | Positive | Negative |
|---------------|-----|-------|----------|----------|
| Typhoid Fever | ... | 1     | —        | 1        |
| Diphtheria    | ... | 14    | 7        | 7        |
| Tuberculosis  | ... | 11    | 3        | 8        |
|               |     | —     | —        | —        |
| Totals        | ... | 26    | 10       | 16       |
|               |     | —     | —        | —        |

### **Causes of Sickness.**

The District has been free from any particularly noteworthy incidence of disease during the year.

### **Nursing.**

There is one District Nursing Association known as the "Alice Hall Memorial and Fleetwood Urban District Nursing Association," and one District Nurse is employed, her services

being available for any of the inhabitants of the town for general sickness, other than Infectious Diseases. The Association is financed by interest from the investment of a legacy left for the purpose, and by voluntary contributions.

### **Midwives.**

There were six registered midwives in the district at the end of the year. None of these are employed or subsidised by the Local Authority.

### **Clinic and Treatment Centres.**

There are no clinics or treatment centres under the control of the Local Authority.

A campaign against Venereal Diseases is carried out by the County Council in co-operation with the Local Authority, and Male and Female Clinics have been opened at Preston and Blackpool for the free treatment of these cases on the latest scientific lines, of which all information can be obtained from me.

Child Welfare Work is also under the administration of the County Authorities, assisted by a local Committee, the Hon Secretary of which is Mrs. D. M. Gill, Osborne Bank, Fleetwood. Two Infant Welfare Centres are held each week.

### **Hospitals.**

A Hospital, containing 20 beds and 7 cots, for cases of general sickness and accidents is available in the district and is supported by voluntary contributions. For Infectious Diseases, the Local Authority contribute towards the maintenance of the Fylde Joint Hospital at Moss Side, near Lytham, which contains 48 beds and 12 cots. For Small-pox cases the Small-pox Hospital at Elswick, containing 15 beds, is subsidised.

### **Ambulance Facilities.**

A motor ambulance is provided by the Fylde Joint Hospital Board for cases of Infectious Diseases sent to the Hospital. For non-infectious cases one motor ambulance and one horse ambulance are maintained by the Local Authority.

### **The Education (Administration Provisions) Act, 1907.**

Under this Act the County Council is the Authority, and their Medical Officers make examinations of the children attending the Council Schools.

### **Water Supply.**

It upland water, obtained from the Fylde Water Board, collected in reservoirs at Grizedale, about 15 miles from Fleetwood, and is of very good quality.

### **Sewage.**

This is carried out by gravitation to the Pumping Station, then raised into tank, and discharged untreated into the sea at low water. The sewers are all regularly flushed.

### **Milk Supply.**

The Dairies, Cowsheds, and Milkshops have been visited, and the regulations in respect to the limewashing of cowsheds have been complied with. There were eight cow-keepers on the register at the end of the year, and 36 dairymen or purveyors of milk (other than cow-keepers).

### **Sale of Food and Drugs Act.**

The sampling of food is carried out by the County Police Authorities, and it would be a great advantage if samples were also taken by the Local Authority. Particulars of the work done by the Police will be found in the Inspector's Report.

### **Housing.**

The Housing accommodation is still very inadequate and the need for more houses is as pressing as ever. During the year 105 houses have been erected, 34 by the Council and 71 by private enterprise. This number is insufficient to meet the normal requirements, and overcrowding is still very rife.

The number of huts and caravans is now 45, an increase of 18 during the year.

I am, Gentlemen,  
Your obedient Servant,

**J. COLGAN,**  
Medical Officer of Health.



TABLE II.—Cases of Infectious Diseases notified during the Year 1923.

| NOTIFIABLE DISEASE.               | Total cases at all Ages. | Number of cases notified. |        |        |        |        |         |          |          |          |          |          |             | Total cases notified in each locality. |              |           | Total Cases remov'd to Hos-pital. | Total D'ths |
|-----------------------------------|--------------------------|---------------------------|--------|--------|--------|--------|---------|----------|----------|----------|----------|----------|-------------|----------------------------------------|--------------|-----------|-----------------------------------|-------------|
|                                   |                          | At Ages—Years.            |        |        |        |        |         |          |          |          |          |          |             |                                        |              |           |                                   |             |
|                                   |                          | un-der 1                  | 1 to 2 | 2 to 3 | 3 to 4 | 4 to 5 | 5 to 10 | 10 to 15 | 15 to 20 | 20 to 35 | 35 to 45 | 45 to 65 | 65 and over | East Ward                              | Central Ward | West Ward |                                   |             |
| Smallpox ....                     | —                        | —                         | —      | —      | —      | —      | —       | —        | —        | —        | —        | —        | —           | —                                      | —            | —         | —                                 | —           |
| Diphtheria & Membranous Croup ... | 20                       | —                         | —      | 3      | 1      | 4      | 7       | 1        | 3        | 1        | —        | —        | —           | 7                                      | 6            | 7         | 10                                | 3           |
| Erysipelas ....                   | 6                        | —                         | —      | —      | —      | —      | 1       | 1        | 1        | 1        | —        | 1        | —           | 1                                      | —            | 5         | —                                 | —           |
| Scarlet Fever ....                | 15                       | —                         | 1      | —      | 2      | —      | 6       | 4        | 1        | —        | 1        | —        | —           | 8                                      | 4            | 3         | 12                                | —           |
| Typhus Fever ....                 | —                        | —                         | —      | —      | —      | —      | —       | —        | —        | —        | —        | —        | —           | —                                      | —            | —         | —                                 | —           |
| Enteric Fever ....                | —                        | —                         | —      | —      | —      | —      | —       | —        | —        | —        | —        | —        | —           | —                                      | —            | —         | —                                 | —           |
| Relapsing Fever ....              | —                        | —                         | —      | —      | —      | —      | —       | —        | —        | —        | —        | —        | —           | —                                      | —            | —         | —                                 | —           |
| Continued Fever ....              | —                        | —                         | —      | —      | —      | —      | —       | —        | —        | —        | —        | —        | —           | —                                      | —            | —         | —                                 | —           |
| Puerperal Fever ....              | —                        | —                         | —      | —      | —      | —      | —       | —        | —        | —        | —        | —        | —           | —                                      | —            | —         | —                                 | —           |
| Cerebro-spinal Meningitis ....    | —                        | —                         | —      | —      | —      | —      | —       | —        | —        | —        | —        | —        | —           | —                                      | —            | —         | —                                 | —           |
| Poliomyelitis ....                | 2                        | —                         | —      | —      | —      | —      | —       | 2        | —        | —        | —        | —        | —           | —                                      | —            | 2         | —                                 | —           |
| Ophthalmia Neonatorum ....        | 2                        | 2                         | —      | —      | —      | —      | —       | —        | —        | —        | —        | —        | —           | —                                      | —            | 2         | —                                 | —           |
| Encephalitis Lethargica ....      | 2                        | —                         | —      | —      | 2      | 1      | —       | 3        | 1        | —        | 2        | 4        | 3           | 7                                      | 2            | 11        | 1                                 | 8           |
| Acute Primary Pneumonia ....      | 20                       | —                         | —      | —      | 1      | 1      | 2       | —        | 1        | 4        | 1        | 2        | —           | 4                                      | 5            | 8         | —                                 | 1           |
| Acute Influenzal Pneumonia ....   | 17                       | 1                         | 4      | —      | 2      | 1      | 55      | 9        | 1        | —        | —        | —        | —           | 28                                     | 29           | 49        | —                                 | —           |
| Chicken-pox ....                  | 106                      | 6                         | 6      | 5      | 13     | 11     | —       | —        | 1        | —        | —        | —        | —           | —                                      | —            | —         | —                                 | —           |
| Pulmonary Tuberculosis            |                          |                           |        |        |        |        |         |          |          |          |          |          |             |                                        |              |           |                                   |             |
| Males ....                        | 11                       | —                         | —      | —      | —      | —      | —       | —        | 1        | 6        | 1        | 3        | —           | 5                                      | 4            | 2         | —                                 | 6           |
| Females ....                      | 12                       | —                         | —      | —      | —      | 1      | —       | —        | 3        | 3        | 2        | 3        | —           | 6                                      | 3            | 3         | —                                 | 8           |
| Other Forms of Tuberculosis       |                          |                           |        |        |        |        |         |          |          |          |          |          |             |                                        |              |           |                                   |             |
| Males ....                        | 9                        | 1                         | 1      | —      | 2      | —      | 1       | 2        | 1        | 1        | —        | —        | —           | 3                                      | —            | 6         | —                                 | 3           |
| Females ....                      | 8                        | —                         | —      | —      | —      | —      | —       | 1        | 2        | 3        | 1        | —        | —           | 1                                      | —            | 7         | —                                 | 1           |
| TOTALS ....                       | 230                      | 10                        | 12     | 8      | 24     | 17     | 73      | 24       | 15       | 22       | 8        | 13       | 4           | 72                                     | 53           | 105       | 25                                | 32          |

TABLE III.—Causes of and Ages at Death during the Year 1923.

| Causes of Death.      | Net Deaths at Sub-joined Ages of "Residents," whether occurring within or without the District. |               |                |                |                 |                  |                  |                  |                 | Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District. |
|-----------------------|-------------------------------------------------------------------------------------------------|---------------|----------------|----------------|-----------------|------------------|------------------|------------------|-----------------|-----------------------------------------------------------------------------------------|
|                       | All Ages.                                                                                       | Under 1 Year. | 1 and under 2. | 2 and under 5. | 5 and under 15. | 15 and under 25. | 25 and under 45. | 45 and under 65. | 65 and upwards. |                                                                                         |
| All Causes :          |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Certified ....        | 169                                                                                             | 26            | 11             | 8              | 5               | 4                | 18               | 49               | 48              | 11                                                                                      |
| Uncertified           | 21                                                                                              | 3             | —              | —              | 2               | 5                | 4                | 4                | 3               | 5                                                                                       |
| (Including Inquests). |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Enteric Fever ....    | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Small-pox ....        | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Measles ....          | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Scarlet Fever ....    | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Whooping Cough        | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Diphtheria ....       | 3                                                                                               | —             | —              | 3              | —               | —                | —                | —                | —               | —                                                                                       |
| Influenza ....        | 5                                                                                               | —             | 1              | —              | —               | —                | 2                | 1                | 1               | 1                                                                                       |
| Encephalitis          |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Lethargica ....       | 2                                                                                               | —             | —              | 2              | —               | —                | —                | —                | —               | 1                                                                                       |
| Meningococcal         |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Meningitis ....       | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Tuberculosis of       |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Respiratory           |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| System ....           | 14                                                                                              | —             | —              | —              | 1               | 3                | 7                | 3                | —               | 1                                                                                       |
| Other Tuber-          |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| culous Diseases       | 4                                                                                               | 1             | 2              | 1              | —               | —                | —                | —                | —               | —                                                                                       |
| Cancer, Malig-        |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| nant Disease....      | 22                                                                                              | —             | 1              | —              | —               | —                | —                | 14               | 7               | 1                                                                                       |
| Rheumatic Fever       | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Diabetes ....         | 3                                                                                               | —             | —              | —              | —               | —                | —                | 1                | 2               | —                                                                                       |
| Cerebral              |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Hæmorrhage &c         | 17                                                                                              | —             | —              | —              | —               | —                | —                | 9                | 8               | 2                                                                                       |
| Heart Disease ....    | 24                                                                                              | —             | —              | —              | —               | 1                | 3                | 8                | 12              | —                                                                                       |
| Arterio-sclerosis     | 1                                                                                               | —             | —              | —              | —               | —                | 1                | —                | —               | —                                                                                       |
| Bronchitis....        | 16                                                                                              | 4             | —              | —              | 1               | —                | 1                | 3                | 7               | —                                                                                       |
| Pnuemonia (all        |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| forms) ....           | 12                                                                                              | 1             | 2              | —              | 1               | —                | 1                | 4                | 3               | 1                                                                                       |
| Other respira-        |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| tory Diseases....     | 2                                                                                               | —             | 1              | —              | —               | —                | —                | —                | 1               | —                                                                                       |
| Ulcer of Stomach      |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| or Duodenum....       | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Diarrhœa, &c.         |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| (under 2 years)       | 3                                                                                               | 1             | 2              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Appendicitis and      |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Typhlitis ....        | 1                                                                                               | —             | —              | —              | 1               | —                | —                | —                | —               | 1                                                                                       |
| Cirrhosis of Liver    | 1                                                                                               | —             | —              | —              | —               | —                | 1                | —                | —               | —                                                                                       |
| Acute & Chronic       |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Nephritis ....        | 3                                                                                               | —             | 1              | —              | —               | —                | 1                | —                | 1               | —                                                                                       |
| Puerperal Sepsis      | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Other Accidents       |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| and Diseases of       |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Pregnancy and         |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Parturition ....      | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Congenital De-        |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| bility &c. ....       | 17                                                                                              | 17            | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Suicide ....          | —                                                                                               | —             | —              | —              | —               | —                | —                | —                | —               | —                                                                                       |
| Other Deaths          |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| from Violence....     | 8                                                                                               | 1             | —              | —              | 1               | 3                | 3                | —                | —               | 3                                                                                       |
| Other Defined         |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| Diseases ....         | 27                                                                                              | 4             | 1              | 2              | 2               | 1                | 1                | 8                | 8               | 5                                                                                       |
| Causes ill-defined    |                                                                                                 |               |                |                |                 |                  |                  |                  |                 |                                                                                         |
| or Unknown ....       | 5                                                                                               | —             | —              | —              | —               | 1                | 1                | 2                | 1               | —                                                                                       |
| Totals ....           | 190                                                                                             | 29            | 11             | 8              | 7               | 9                | 22               | 53               | 51              | 16                                                                                      |

TABLE IV.—Infant Mortality during the Year 1923.

Net Deaths from stated causes at Various Ages under One Year of Age.

| Causes of Death.                                               | Under<br>1<br>Week. | 1—2<br>Weeks. | 2—3<br>Weeks. | 3—4<br>Weeks. | Total<br>under 1<br>Month. | 1—3<br>Months | 3—6<br>Months | 6—9<br>Months | 9—12<br>Months | Total<br>Deaths<br>under 1<br>Year. |
|----------------------------------------------------------------|---------------------|---------------|---------------|---------------|----------------------------|---------------|---------------|---------------|----------------|-------------------------------------|
| All Causes : Certified<br>Uncertified<br>(Including Inquests). | 14<br>3             | 1<br>—        | 4<br>—        | 1<br>—        | 20<br>3                    | 1<br>—        | 2<br>—        | 3<br>—        | —<br>—         | 26<br>3                             |
| Tuberculosis of Ab-<br>dominal Glands                          | —                   | —             | —             | —             | —                          | —             | —             | 1             | —              | 1                                   |
| Convulsions                                                    | 1                   | —             | —             | —             | 1                          | —             | —             | —             | —              | 1                                   |
| Bronchitis....                                                 | —                   | —             | 1             | 1             | 2                          | 1             | —             | 1             | —              | 4                                   |
| Pneumonia                                                      | —                   | —             | —             | —             | —                          | —             | 1             | —             | —              | 1                                   |
| Diarrhoea ...                                                  | —                   | —             | 1             | —             | 1                          | —             | —             | —             | —              | 1                                   |
| Atelectasis                                                    | 1                   | —             | —             | —             | 1                          | —             | —             | —             | —              | 1                                   |
| Congenital Malformations                                       | 3                   | —             | —             | —             | 3                          | —             | —             | —             | —              | 3                                   |
| Premature Birth ...                                            | 6                   | —             | 1             | —             | 7                          | —             | —             | —             | —              | 7                                   |
| Atrophy, Debility, and<br>Marasmus                             | 3                   | —             | 1             | —             | 4                          | —             | 1             | —             | —              | 5                                   |
| Other Causes                                                   | 3                   | 1             | —             | —             | 4                          | —             | —             | 1             | —              | 5                                   |
| TOTALS                                                         | 17                  | 1             | 4             | 1             | 23                         | 1             | 2             | 3             | —              | 29                                  |

|                        |              |     |                        |     |             |    |
|------------------------|--------------|-----|------------------------|-----|-------------|----|
| Net Births in the Year | M. F. Total. |     | Net Deaths in the Year |     | M. F. Total |    |
|                        | Legitimate   | 238 | 186                    | 424 | 18          | 8  |
|                        | Illegitimate | 10  | 5                      | 15  | 3           | —  |
|                        |              | 248 | 191                    | 439 | 21          | 8  |
|                        |              |     |                        |     |             | 29 |

# Report of the Sanitary Inspector,

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5TH JUNE, 1924.

TO THE CHAIRMAN AND MEMBERS OF THE FLEETWOOD URBAN  
DISTRICT COUNCIL.

GENTLEMEN,

I beg to submit my Annual Report for the year ending 31st December, 1923.

It has not been possible, owing to other duties, to give the amount of attention to the old property in the Town which it demands. Overcrowding is very rife and the shortage of houses is preventing satisfactory action being taken to remedy this evil.

A large number of tenants are still very careless as to the cleanliness of their premises; a great number of insanitary conditions that were found to exist were solely due to their lack of interest in matters concerning Public Health. Nothing short of constant inspection will bring about any improvement. In some parts of the Town it is a common thing to find refuse of all descriptions thrown indiscriminately on to the yard, blocking gully traps and drains.

The number of complaints received during the year was 102. A large number of them related to matters which could not be dealt with under the Public Health Acts or were of a trivial nature. In every case where a complaint was found to be bona-fide action was duly taken.

The number of preliminary notices issued was 99. Twenty-five Statutory Notices were served and 116 interviews with owners took place. Three hundred and fifty-two letters in connection with sanitary matters were written during the year.

The following Tables give a classified list of the visits made and also the nuisances dealt with during the year. The Table of Nuisances only refers to cases where informal or statutory notices have been served, those nuisances prevented or abated by verbal request are not included.

The particulars of visits and nuisances given do not include the work carried out in the Urban District by the Port Sanitary Inspector, details of which will be found in his Report, and in order to ascertain a complete account of the work carried out in the District these need to be added to the under-mentioned Tables :—

### Summary of Visits for 1923.

| Description.                              | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|-------------------------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| Visits to Nuisances ....                  | 35      | 16       | 41    | 4     | 5   | 6    | 23   | 4      | 20        | 19      | 7        | 5        | 185   |
| Visits under Housing Acts .....           | 5       | —        | —     | —     | —   | —    | —    | —      | —         | —       | —        | —        | 5     |
| Re-visits or visits to work in hand ..... | 13      | 18       | 20    | 14    | 8   | 5    | 11   | 2      | 22        | 11      | 8        | 7        | 139   |
| Visits re Infectious Diseases .....       | 7       | 9        | 3     | 4     | 9   | 7    | 5    | 1      | 4         | 3       | 5        | 5        | 62    |
| Visits to Common Lodging Houses ....      | —       | —        | 4     | —     | —   | 8    | 1    | 5      | 2         | 1       | 1        | —        | 22    |
| Visits to Caravans ....                   | 5       | —        | 5     | —     | —   | —    | —    | —      | —         | —       | —        | —        | 10    |
| Visits to Factories....                   | 1       | 3        | 6     | 2     | 1   | 3    | 6    | 10     | 5         | 15      | 3        | 3        | 58    |
| Visits to Workshops                       | 1       | 3        | —     | —     | 3   | 3    | 1    | 1      | —         | 1       | 1        | —        | 14    |
| Visits to Cowsheds....                    | 6       | —        | 1     | 3     | 1   | 2    | —    | 2      | 2         | 1       | 3        | —        | 21    |
| Visits to Dairies and Milkshops .....     | 3       | —        | —     | —     | 2   | 1    | 7    | 12     | 5         | 2       | 1        | 2        | 35    |
| Visits to Public Abattoir .....           | 37      | 32       | 36    | 31    | 26  | 26   | 32   | 20     | 33        | 26      | 27       | 25       | 351   |
| Visits to Food Shops                      | 13      | 20       | 26    | 18    | 21  | 32   | 31   | 18     | 20        | 22      | 22       | 67       | 310   |
| Visits to Bakerhouses                     | 7       | 9        | 5     | 6     | 3   | 6    | —    | 11     | 5         | —       | 10       | 1        | 63    |
| Visits re Refuse Removal & Disposal....   | 25      | 21       | 39    | 31    | 22  | 26   | 35   | 18     | 23        | 21      | 30       | 20       | 311   |
| Visits to Offensive Trades .....          | 2       | —        | 2     | —     | 1   | —    | —    | —      | —         | —       | —        | —        | 5     |
| Miscellaneous Visits                      | 23      | 34       | 28    | 22    | 31  | 36   | 46   | 27     | 36        | 31      | 27       | 24       | 365   |
| TOTALS .....                              | 183     | 165      | 216   | 135   | 133 | 161  | 198  | 131    | 177       | 153     | 145      | 159      | 1,956 |

**Nuisances.****DWELLING HOUSES :**

|                                           |    |
|-------------------------------------------|----|
| Choked drains ... ..                      | 70 |
| Choked or defective W.C.'s ... ..         | 51 |
| Insufficient refuse receptacle ... ..     | 59 |
| Ashpits abolished ... ..                  | 4  |
| Defective ventilating shaft of drains ... | 8  |
| Accumulation of manure or other refuse    | 41 |
| Defective surface of yards ... ..         | 21 |
| Damp rooms ... ..                         | 17 |
| Rooms in filthy condition ... ..          | 8  |
| Houses infested with vermin ... ..        | 7  |
| Defective eaves gutters or downspouts     | 18 |
| Defective sink or sink waste pipe ...     | 17 |
| Houses in filthy condition ... ..         | 9  |
| Defective walls of house ... ..           | 7  |
| Cellars closed as separate dwellings ...  | 1  |
| Defective windows ... ..                  | 27 |
| Filthy yards ... ..                       | 55 |
| Soil pipes and ventilating shafts erected | 3  |
| Defective floors ... ..                   | 7  |
| Defective staircases ... ..               | 3  |
| Animals kept so as to be a nuisance ...   | 11 |
| Defective roofs ... ..                    | 17 |
| Miscellaneous ... ..                      | 77 |

**FACTORIES AND WORKSHOPS :**

|                                                    |   |
|----------------------------------------------------|---|
| Drainage of floors defective ... ..                | 1 |
| Bakehouses requiring limewashing ...               | 2 |
| Defective pail closet ... ..                       | 1 |
| Choked drains ... ..                               | 2 |
| Separate closet accommodation pro-<br>vided ... .. | 2 |

## DAIRIES AND COWSHEDS :

|                               |     |     |     |   |
|-------------------------------|-----|-----|-----|---|
| Milkshops requiring cleansing | ... | ... | ... | 1 |
| Defective floor of cowshed    | ... | ... | ... | 1 |
| Defective drainage of cowshed | ... | ... | ... | 1 |
| Insufficient light, cowshed   | ... | ... | ... | 1 |

## COMMON LODGING HOUSES :

|                                |     |     |     |   |
|--------------------------------|-----|-----|-----|---|
| Limewashing required           | ... | ... | ... | 1 |
| Defective W.C.'s               | ... | ... | ... | 2 |
| Insufficient refuse receptacle | ... | ... | ... | 2 |

**Housing and Town Planning Act, 1909.**

The following is a list of the work carried out under these Acts :

|                                                               |     |     |    |
|---------------------------------------------------------------|-----|-----|----|
| Number of dwelling-houses inspected...                        | 13  |     |    |
| Number of dwelling-houses considered<br>unfit for habitation  | ... | ... | 1  |
| Closing orders made                                           | ... | ... | 1  |
| Number of dwelling-houses where defects<br>have been remedied | ... | ... | 12 |

The defects found were as follows :

|                  |     |     |     |    |
|------------------|-----|-----|-----|----|
| Defective roofs  | ... | ... | ... | 5  |
| Dampness         | ... | ... | ... | 6  |
| Defective floors | ... | ... | ... | 6  |
| „ windows        | ... | ... | ... | 8  |
| „ spouting       | ... | ... | ... | 3  |
| „ drainage       | ... | ... | ... | 2  |
| „ staircases     | ... | ... | ... | 1  |
| „ wastepipes     | ... | ... | ... | 2  |
| „ yards          | ... | ... | ... | 2  |
| Dirty houses     | ... | ... | ... | 3  |
| Miscellaneous    | ... | ... | ... | 12 |

### Infectious Diseases.

Visits to the number of 62 were made to cases of Infectious Diseases. During the year 153 school notices and certificates were issued.

Disinfection has been carried out as in previous years by spraying the infected rooms with formalin and fumigating with formalin gas, and treating infected bedding and clothing by steam at the Town's Yard. This steam disinfector is also available for treating infected or verminous clothes, beds, etc., from the ships whilst in the docks, but during the year has not been required for this purpose.

During the year 62 houses and 524 articles were disinfected

The following Table gives the number of rooms and articles disinfected in the various Wards during each month of the year :

| Month.         | EAST<br>WARD. |           | CENTRAL<br>WARD. |           | WEST<br>WARD. |           | WHOLE<br>DISTRICT. |           |
|----------------|---------------|-----------|------------------|-----------|---------------|-----------|--------------------|-----------|
|                | Rooms.        | Articles. | Rooms.           | Articles. | Rooms.        | Articles. | Rooms.             | Articles. |
| January ....   | 2             | 55        | 9                | 11        | 2             | 12        | 13                 | 78        |
| February ....  | 5             | 32        | 1                | 8         | 4             | 21        | 10                 | 61        |
| March ....     | 4             | 7         | 4                | 22        | 3             | 13        | 11                 | 42        |
| April ....     | 10            | —         | 1                | 14        | —             | 3         | 11                 | 17        |
| May ....       | 2             | 50        | 2                | 22        | —             | —         | 4                  | 72        |
| June ....      | 5             | 20        | 3                | 22        | 2             | 13        | 10                 | 55        |
| July ....      | 3             | 10        | —                | —         | 5             | 12        | 8                  | 22        |
| August ....    | 4             | 10        | 3                | 20        | 1             | 3         | 8                  | 33        |
| September .... | —             | —         | —                | 10        | —             | —         | —                  | 10        |
| October ....   | 2             | 21        | 2                | —         | 3             | —         | 7                  | 21        |
| November ....  | 2             | 39        | 1                | 25        | 2             | —         | 5                  | 64        |
| December ....  | 2             | 23        | 1                | 13        | 4             | 13        | 7                  | 49        |
| TOTALS ....    | 41            | 267       | 27               | 167       | 26            | 90        | 94                 | 524       |

### Food Inspection.

During the year 351 visits were made to the Public Abattoir and 310 visits to other premises where foods are prepared or sold. Amongst the food destroyed as being unfit for food were the carcasses and all organs of two cows, three calves, three pigs, and two sheep.

The weight of meat and other foods destroyed or otherwise disposed of during the year as unfit for food, was 1 ton 17 cwts. 1 qr. 10 lbs.

The following Table shows the number of animals slaughtered during each year since 1912.

| Year. | Cattle. | Sheep. | Calves. | Pigs. | Total. |
|-------|---------|--------|---------|-------|--------|
| 1912  | 640     | 3,951  | 74      | 407   | 5,072  |
| 1913  | 640     | 3,948  | 87      | 251   | 4,926  |
| 1914  | 626     | 4,002  | 95      | 281   | 5,004  |
| 1915  | 685     | 3,855  | 75      | 213   | 4,828  |
| 1916  | 773     | 3,443  | 10      | 126   | 4,352  |
| 1917  | 808     | 4,307  | 60      | 207   | 5,382  |
| 1918  | 691     | 4,413  | 101     | 402   | 5,607  |
| 1919  | 1,246   | 4,308  | 422     | 746   | 6,722  |
| 1920  | 1,103   | 4,414  | 209     | 1,038 | 6,764  |
| 1921  | 799     | 4,230  | 79      | 1,977 | 7,085  |
| 1922  | 995     | 4,845  | 100     | 739   | 6,679  |
| 1923  | 874     | 4,199  | 72      | 925   | 6,070  |

The number and kinds of animals slaughtered at the Public Abattoir during the year under consideration was :

| Description.      |   |                  | No.   |
|-------------------|---|------------------|-------|
| CATTLE            | { | Cows ....        | 95    |
|                   |   | Heifers ....     | 537   |
|                   |   | Bulls ....       | 6     |
|                   |   | Bullocks ....    | 236   |
| TOTAL             |   |                  | 874   |
| CALVES—Calves.... |   |                  | 72    |
| SHEEP             | { | Ewes ....        | 106   |
|                   |   | Other Sheep .... | 1,354 |
|                   |   | Lambs ....       | 2,739 |
| TOTAL             |   |                  | 4,199 |
| PIGS              | { | Sows ....        | 46    |
|                   |   | Other Pigs ....  | 879   |
| TOTAL             |   |                  | 925   |

The percentage of animals slaughtered, other than sheep, that were affected with Tuberculosis, was 3.68.

The following Tables give a classified list of the quantities of meat and other foodstuffs destroyed during the year :—

### From the Public Abattoir.

| Animals Affected. | Tuberculosis.                   | Weight in lbs. | Other Diseases.           | Weight in lbs. |
|-------------------|---------------------------------|----------------|---------------------------|----------------|
| CATTLE            | 2 Carcases and all organs ..... | 910            | 7 Livers .....            | 85             |
|                   | 8 Heads and Tongues .....       | 233            | 20 Part Livers .....      | 85             |
|                   | 29 Lungs .....                  | 343            | 1 Lung .....              | 10             |
|                   | 6 Livers .....                  | 72             | 1 Tongue ...              | 5              |
|                   | 8 Diaphragms .....              | 33             |                           |                |
|                   | 4 Hearts .....                  | 16             |                           |                |
|                   | 6 Sets of Tripe .....           | 143            |                           |                |
|                   | 7 Spleen .....                  | 14             |                           |                |
|                   | 2 Udders .....                  | 12             |                           |                |
|                   | 8 Sets of Intestines .....      |                |                           |                |
|                   | TOTAL WEIGHT                    | 1,776          | TOTAL WEIGHT              | 185            |
| CALVES            | 1 Carcase and all organs        | 47             | 1 Lung ...                | 2              |
|                   | 1 Carcase and all Organs        | 317            | 1 Shoulder Pork           | 27             |
|                   | 20 Heads .....                  | 445            | 1 Head .....              | 10             |
|                   | 27 Livers .....                 | 80             | 4 Livers .....            | 15             |
|                   | 27 Lungs .....                  | 51             | 2 Lungs .....             | 4              |
|                   | 27 Hearts .....                 | 37             | 1 Heart .....             | 1              |
|                   | 26 Sets of Intestines .....     |                |                           |                |
|                   | TOTAL WEIGHT                    | 930            | TOTAL WEIGHT              | 63             |
| SHEEP             | Nil .....                       | —              | 1 Carcase .....           | 49             |
|                   |                                 |                | 9 Livers .....            | 19             |
|                   |                                 |                | 7 Lungs .....             | 7              |
|                   |                                 |                | 1 Heart .....             | 1              |
|                   |                                 |                | Breast and part ribs .... | 5              |
|                   |                                 |                | TOTAL WEIGHT              | 81             |
| GROSS TOTALS.     | For Tuberculosis .....          | lbs.<br>2,753  | For Other Diseases .....  | lbs.<br>331    |

**From the Market, the Railway Station, Shops, and other  
Premises.**

| Description.                | Weight in lbs. |
|-----------------------------|----------------|
| 2 Pig Carcases ....         | 277            |
| 1 Fore-quarter of Pork .... | 61             |
| 1 Half-head of Pig ....     | 9              |
| 2 Calf Carcases ....        | 122            |
| 1 Lamb and all organs ....  | 36             |
| 1 Turkey ....               | 13             |
| Halibut ....                | 20             |
| Potatoes ....               | 560            |
| TOTAL WEIGHT ....           | 1,098 lbs.     |

By the courtesy of the Superintendent of Police, the following particulars of the samples taken by the County Police under the Food and Drugs Act, in Fleetwood, during the year 1923, are given :—

| No. of Samples Purchased. | Description of Samples. | Genuine. | Other-wise. | Remarks.                           |
|---------------------------|-------------------------|----------|-------------|------------------------------------|
| 3                         | Coffee ....             | 3        | —           | —                                  |
| 2                         | Ground Ginger ....      | 2        | —           | —                                  |
| 2                         | Jam ....                | 2        | —           | —                                  |
| 3                         | Lard ....               | 3        | —           | —                                  |
| 2                         | Lemon Cheese ....       | 2        | —           | —                                  |
| 3                         | Margarine ....          | 3        | —           | —                                  |
| 25                        | Milk ....               | 23       | 2           | Proceed-<br>ings were<br>dismissed |
| 2                         | Rice ....               | 2        | —           | —                                  |
| 2                         | Sago ....               | 2        | —           | —                                  |
| 2                         | Sugar ....              | 2        | —           | —                                  |
| 1                         | Tea ....                | 1        | —           | —                                  |
| 47                        | TOTALS ....             | 45       | 2           | —                                  |

### Refuse Collection.

The collection of refuse is carried out by the Local Authority over the whole district. The collection from dustbins is carried out weekly ; from ashpits, which are very few in number, once in three weeks. There are no privy middens in the Town.

The work is carried out by one Vulcan motor tipping vehicle, two horses and carts, and eleven men (three drivers and eight dustmen). The town is divided into three districts and a leading man appointed for each area. The time worked is a 47 hour week.

The refuse is disposed of by tipping for the purpose of reclaiming land, and every effort is made to keep down nuisances by frequently covering the material with sand and gravel.

Fish offal is collected by the local Fish Meal Manufacturers.

The total cost of removal and disposal of refuse for the financial year ending 31st March, 1924, was as follows :

|                                                                  | £     | s.    | d.            |
|------------------------------------------------------------------|-------|-------|---------------|
| Cost of collection and disposal of 5,253 tons... ..              | 1,970 | 0     | 4             |
| Cost per ton ... ..                                              |       | 7     | 6             |
| Cost per head of population (19,900) ...                         | 1     | 11    | $\frac{3}{4}$ |
| Cost per house (3,614) ... ..                                    | 10    | 10    | $\frac{3}{4}$ |
| Cost to the Rates in the £ ... ..                                | 0     | 4     | $\frac{1}{2}$ |
| Amount of refuse made per day per 1,000 of the population ... .. | 14.46 | cwts. |               |
| Cost of removal by Motor, per ton ...                            | 6     | 1     |               |
| Cost of removal by Horse and Cart, per ton ... ..                | 6     | 8     | $\frac{3}{4}$ |
| Cost of disposal, per ton ... ..                                 | 1     | 0     |               |

The following Tables give the number and type of receptacles in the various Wards, and also particulars of the work carried out during the year ending 31st December, 1923 :—

| Type of Receptacle. | East Ward. | Central Ward. | West Ward. | WHOLE DISTRICT. |
|---------------------|------------|---------------|------------|-----------------|
| Dust-bins ....      | 943        | 924           | 1,727      | 3,594           |
| Ashpits ....        | 48         | 18            | 11         | 77              |
| Pail Closets....    | —          | —             | 31         | 31              |
| TOTALS ....         | 991        | 942           | 1,769      | 3,702           |

| Month.       | Dust-bins emptied. | Ashpits emptied. | Pail Closets emptied. | Loads of Trade Refuse removed. | Total No. of Loads removed and approx. weight. |              |
|--------------|--------------------|------------------|-----------------------|--------------------------------|------------------------------------------------|--------------|
|              |                    |                  |                       |                                | No.                                            | Weight.      |
| January .... | 16,317             | 84               | 110                   | 17                             | 334                                            | Tons.<br>434 |
| February     | 14,002             | 69               | 96                    | 13                             | 284                                            | 381          |
| March ....   | 16,107             | 35               | 96                    | 21                             | 329                                            | 451          |
| April ....   | 14,683             | 80               | 96                    | 22                             | 303                                            | 417          |
| May ....     | 16,615             | 79               | 96                    | 19                             | 321                                            | 446          |
| June ....    | 15,006             | 116              | 95                    | 20                             | 296                                            | 443          |
| July ....    | 15,656             | 122              | 120                   | 26                             | 312                                            | 478          |
| August ....  | 16,373             | 81               | 100                   | 25                             | 306                                            | 459          |
| September    | 14,230             | 72               | 104                   | 21                             | 270                                            | 406          |
| October .... | 16,367             | 67               | 114                   | 25                             | 322                                            | 482          |
| November     | 15,780             | 54               | 113                   | 26                             | 322                                            | 483          |
| December     | 15,565             | 31               | 104                   | 25                             | 320                                            | 481          |
| TOTALS ....  | 186,701            | 890              | 1,244                 | 260                            | 3,719                                          | 5,361        |

### Factory and Workshop Act, 1901.

There are 81 Factories and 111 Workshops in the District.

### Common Lodging-Houses.

There are three registered common lodging-houses, and these have been kept in a clean and orderly condition. The situation of the premises are :—

No. 36, Dock Street.

No. 17, Warren Street.

No. 5, Preston Street.

### Licensing.

It was only necessary to seek magisterial assistance to enforce the Bye-laws in one instance and this was owing to a proprietor plying for hire with an unlicensed taxi. He was fined £1 and costs.

The undermentioned Licences were issued during the year, viz. :—

|                   |     |     |     |     |           |
|-------------------|-----|-----|-----|-----|-----------|
| Tram Cars         | ... | ... | ... | 41  | Licences. |
| Drivers           | ... | ... | ... | 48  | „         |
| Conductors        | ... | ... | ... | 18  | „         |
| Luggage Porters   | ... | ... | ... | 12  | „         |
| Landaus           | ... | ... | ... | 3   | „         |
| Taxi Cabs         | ... | ... | ... | 12  | „         |
| Chars-a-banc      | ... | ... | ... | 11  | „         |
| Motor Buses       | ... | ... | ... | 2   | „         |
| Touring Cars      | ... | ... | ... | 2   | „         |
| Drivers           | ... | ... | ... | 35  | „         |
| Pleasure Boats    | ... | ... | ... | 14  | „         |
| Boatmen           | ... | ... | ... | 20  | „         |
| Ice Cream Vendors | ... | ... | ... | 6   | „         |
| Hawkers :         |     |     |     |     |           |
| Motor Lorry       | ... | ... | ... | 3   | „         |
| Horse and Cart    | ... | ... | ... | 24  | „         |
| Handcart          | ... | ... | ... | 5   | „         |
| Basket or by Hand | ... | ... | ... | 16  | „         |
| Shoe Blacks       | ... | ... | ... | 2   | „         |
| Total             |     |     |     | 274 | Licences. |

### Foreshore.

The Foreshore has been regularly inspected for nuisances and on the whole has been very free from any objection. Any obnoxious matter found was either removed or buried.

I am, Gentlemen,

Your obedient Servant,

**G. PILKINGTON,**  
Sanitary Inspector.

Summary of the Sanitary Inspector's Monthly Reports for Year ending 31st December, 1923.

| MONTH<br>1923. | Rainfall. | Complaints. | Visits. | INFECTIOUS<br>DISEASES.              |                       |                          | REFUSE<br>COLLECTION. |                      |                          | ANIMALS SLAUGHTERED<br>AT PUBLIC ABATTOIRS. |        |         |       |
|----------------|-----------|-------------|---------|--------------------------------------|-----------------------|--------------------------|-----------------------|----------------------|--------------------------|---------------------------------------------|--------|---------|-------|
|                |           |             |         | Removed to<br>Isolation<br>Hospital. | Rooms<br>Disinfected. | Articles<br>Disinfected. | Dust-bins<br>emptied. | Ash-pits<br>emptied. | Pail Closets<br>emptied. | Cattle.                                     | Sheep. | Calves. | Pigs. |
| January        | ....      | 12          | 183     | 1                                    | 13                    | 78                       | 16,317                | 84                   | 110                      | 90                                          | 341    | 2       | 192   |
| February       | ....      | 12          | 165     | 1                                    | 10                    | 61                       | 14,002                | 69                   | 96                       | 76                                          | 249    | 4       | 134   |
| March          | ....      | 8           | 216     | 1                                    | 11                    | 42                       | 16,107                | 35                   | 96                       | 78                                          | 278    | 20      | 240   |
| April          | ....      | 8           | 135     | 1                                    | 11                    | 17                       | 14,683                | 80                   | 96                       | 79                                          | 298    | 9       | 128   |
| May            | ....      | 5           | 133     | 1                                    | 4                     | 72                       | 16,615                | 79                   | 96                       | 81                                          | 400    | 14      | 8     |
| June           | ....      | 8           | 161     | 5                                    | 10                    | 55                       | 15,006                | 116                  | 95                       | 74                                          | 380    | 4       | 8     |
| July           | ....      | 8           | 198     | 4                                    | 8                     | 22                       | 15,656                | 122                  | 120                      | 73                                          | 579    | 5       | 16    |
| August         | ....      | 11          | 131     | 1                                    | 8                     | 33                       | 16,373                | 81                   | 100                      | 79                                          | 734    | 5       | 27    |
| September      | ....      | 8           | 177     | 1                                    | —                     | 10                       | 14,230                | 72                   | 104                      | 48                                          | 266    | —       | 7     |
| October        | ....      | 10          | 153     | 2                                    | 7                     | 21                       | 16,367                | 67                   | 114                      | 63                                          | 260    | 1       | 24    |
| November       | ....      | 7           | 145     | 4                                    | 5                     | 64                       | 15,780                | 54                   | 113                      | 72                                          | 219    | 1       | 22    |
| December       | ....      | 5           | 159     | 1                                    | 7                     | 49                       | 15,555                | 31                   | 104                      | 61                                          | 195    | 1       | 119   |
| TOTALS         | 43.31     | 102         | 1,956   | 23                                   | 94                    | 524                      | 186701                | 890                  | 1,244                    | 874                                         | 4,199  | 72      | 925   |

# Port Sanitary Report.

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18TH JUNE, 1924.

TO THE CHAIRMAN AND MEMBERS OF THE FLEETWOOD PORT  
SANITARY AUTHORITY.

GENTLEMEN,

I have the honour to submit to you my Annual Report for the year 1923, prepared in accordance with the Ministry of Health Circular No. 467.

The Mooring Station for vessels found to be infected with Plague, Cholera or Yellow Fever, has been fixed on the north side of Lune Deep, off the entrance to the River Wyre. An outside Boarding Station for infected or suspected ships has not yet been agreed upon. By arrangement with the Harbour Authorities, a steam tug would be placed at my disposal in the event of my having to board any vessel detained in Lune Deep.

The Port Hospital was last used in 1894, and is at the present time undergoing repairs. There has been a notable amount of damage—presumably of a malicious nature—done to this building during the course of the twelve months under review.

The health of those arriving at the Port during the year has continued good, no case of notifiable infectious disease having been reported.

There has been a further increase over the previous year's record in the number of Landings of Fish, although the actual quantity of fish landed was not as great.

The condition of Sidings Road is noted by the Port Sanitary Inspector. In wet weather this road is practically impassable both to motor vehicles and to foot passengers.

There has been a notable increase during the year in the number of nuisances caused by the accumulation of offal in curing houses.

No action was taken under the Public Health (Shellfish) Regulations, 1915, during the year.

The personal relations between the Officers of H.M. Customs, the Ministry of Agriculture, and your Officers of the Authority continue most cordial, and my thanks are due to them for assistance given.

I am, Gentlemen,

Your obedient Servant,

**J. COLGAN,**

Medical Officer of Health.

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## Report of Port Sanitary Inspector

FOR YEAR ENDED 31ST DECEMBER, 1923.

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In accordance with the Sanitary Officer's Order of 1922, and in compliance with the instructions contained in the Ministry of Health Circular 467, dated 11th January, 1924.

I herewith furnish the particulars required in respect of the Annual Report for the year ended 31st December, 1923.

**MITCHELL CURR,**

Port Sanitary Inspector and Assistant Inspector  
under the Unsound Food Regulations.

Form A.—Amount of Shipping entering the Port Sanitary District during the Year 1923.

| Vessels.                                                     | Number. | Tonnage.  | Number Inspected.                 |                            |     | Number reported to be defective. | Number of Orders issued. |
|--------------------------------------------------------------|---------|-----------|-----------------------------------|----------------------------|-----|----------------------------------|--------------------------|
|                                                              |         |           | By the Medical Officer of Health. | By the Sanitary Inspector. |     |                                  |                          |
| FOREIGN<br>{ Steam ....<br>{ Sailing ....<br>{ Fishing ...   | 36      | 7,841     | 2                                 | 12                         | 6   | 6                                |                          |
|                                                              | 2       | 561       | 1                                 | 2                          | 1   | 1                                |                          |
|                                                              | 262     | 23,395    | 4                                 | 74                         | 25  | 25                               |                          |
| TOTAL FOREIGN                                                | 300     | 31,797    | 7                                 | 88                         | 32  | 32                               |                          |
| COASTWISE<br>{ Steam ....<br>{ Sailing ....<br>{ Fishing ... | 3,429   | 1,201,107 | 3                                 | 79                         | 16  | 16                               |                          |
|                                                              | 42      | 4,735     | —                                 | 2                          | —   | —                                |                          |
|                                                              | 4,331   | 425,935   | 5                                 | 194                        | 95  | 95                               |                          |
| TOTAL COASTWISE                                              | 7,802   | 1,631,777 | 8                                 | 275                        | 111 | 111                              |                          |
| TOTAL FOREIGN AND COASTWISE ...                              | 8,102   | 1,663,574 | 15                                | 363                        | 143 | 143                              |                          |
| TOTAL FOREIGN AND COASTWISE for 1922                         | 5,802   | 981,020   | 16                                | 330                        | 124 | 124                              |                          |
| TOTAL FOREIGN AND COASTWISE for 1921                         | 4,162   | 752,732   | 27                                | 287                        | 155 | 155                              |                          |



Form D.—Vessels (other than those dealt with in Form C) subjected to measures of Rat Destruction.

| Number of Vessels Fumigated by S O /2 | Number of Rats Killed. | Number of Vessels Fumigated by H.C.N. | Number of Rats Killed. | Number of Vessels on which trapping, poisoning, etc., were employed. | Number of Rats Killed. | Number of Fumigation Certificates issued on Form : "Port 10." | Number of other Certificates issued. | Remarks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|------------------------|---------------------------------------|------------------------|----------------------------------------------------------------------|------------------------|---------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                     | 2                      | 3                                     | 4                      | 5                                                                    | 6                      | 7                                                             | 8                                    | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 19                                    | 172                    | Nil.                                  | Nil.                   | 119                                                                  | 3,000                  | None.                                                         | None.                                | <p>The vessels represented in this table are Fishing Vessels.</p> <p>In respect of column (5) the 119 vessels would make an average of 27 voyages in the year.</p> <p>A Ratcatcher engaged by the Owners of Fishing Vessels continued a system of routine visits on their vessels after arrival. Of the total fumigations (19) 11 were made by the Ratcatcher, the remaining 8 fumigations were undertaken by a firm of Ship-Chandlers.</p> <p>Traps were carried on most vessels showing evidence of rats, and in other cases poisons were used. Further particulars are appended in the Report.</p> <p>Rats and Mice (Destruction) Act, 1919.</p> |

### Particulars of the Inspection of Shipping.

TABLE A.—Showing the number of vessels inspected and the number found insanitary during each month of the year.

| Month.       | FOREIGN. |       |          |       | COASTWISE. |       |          |       | TOTALS. |       |
|--------------|----------|-------|----------|-------|------------|-------|----------|-------|---------|-------|
|              | Trade.   |       | Fishing. |       | Trade.     |       | Fishing. |       |         |       |
|              | Insp.    | Insn. | Insp.    | Insn. | Insp.      | Insn. | Insp.    | Insn. | Insp.   | Insn. |
| January      | —        | —     | 3        | 2     | 11         | 5     | 19       | 9     | 33      | 16    |
| February     | —        | —     | 6        | 3     | 10         | 3     | 19       | 9     | 35      | 15    |
| March ....   | —        | —     | 5        | 2     | 3          | —     | 26       | 12    | 34      | 14    |
| April ....   | 1        | —     | 16       | 5     | 5          | 2     | 26       | 19    | 48      | 26    |
| May ....     | 2        | —     | 16       | 5     | 5          | 1     | 23       | 5     | 46      | 11    |
| June ....    | 1        | —     | 16       | 4     | 5          | —     | 18       | 8     | 40      | 12    |
| July ....    | —        | —     | 2        | 1     | 5          | —     | 1        | 1     | 8       | 2     |
| August ....  | 1        | —     | 3        | —     | 9          | —     | 8        | 4     | 21      | 4     |
| September    | 1        | 1     | —        | —     | 9          | 1     | 16       | 7     | 26      | 9     |
| October .... | 3        | 2     | 3        | —     | 2          | —     | 17       | 11    | 25      | 13    |
| November     | 3        | 3     | 2        | 1     | 9          | 2     | 15       | 7     | 29      | 13    |
| December     | 2        | 1     | 2        | 2     | 8          | 2     | 6        | 3     | 18      | 8     |
| TOTALS       | 14       | 7     | 74       | 25    | 81         | 16    | 194      | 95    | 363     | 143   |

TABLE B.—Showing the nationalities of the vessels inspected and found insanitary :—

|           |     |     | Inspected. |     | Insanitary. |
|-----------|-----|-----|------------|-----|-------------|
| British   | ... | ... | 312        | ... | 125         |
| Belgian   | ... | ... | 35         | ... | 9           |
| Icelandic | ... | ... | 7          | ... | 6           |
| Danish    | ... | ... | 3          | ... | —           |
| Norwegian | ... | ... | 2          | ... | —           |
| Swedish   | ... | ... | 1          | ... | 1           |
| German    | ... | ... | 1          | ... | 1           |
| Lettish   | ... | ... | 2          | ... | 1           |
| Totals    | ... | ... | <u>363</u> | ... | <u>143</u>  |

TABLE C.—Showing the number of vessels inspected and found insanitary arriving from Foreign and Coastwise Ports, and also fishing vessels :—

| FOREIGN :             |     |     | Inspected. |     | Insanitary. |
|-----------------------|-----|-----|------------|-----|-------------|
| Steam Vessels         | ... | ... | 12         | ... | 6           |
| Sailing Vessels       | ... | ... | 2          | ... | 1           |
| Steam Fishing Vessels |     |     | 74         | ... | 25          |
| Totals                | ... | ... | <u>88</u>  | ... | <u>32</u>   |
| COASTWISE :           |     |     |            |     |             |
| Steam Vessels         | ... | ... | 79         | ... | 16          |
| Sailing Vessels       | ... | ... | 2          | ... | —           |
| Steam Fishing Vessels |     |     | 194        | ... | 95          |
| Totals                | ... | ... | <u>275</u> | ... | <u>111</u>  |
| Gross Totals          | ... | ... | 363        | ... | 143         |
| Re-visits             | ... | ... | 27         |     |             |
| TOTAL INSPECTIONS     |     |     | <u>390</u> |     |             |

### Nuisances on Vessels.

The storing of gear, etc., in the crew's quarters continued to be the most prevalent of the unsatisfactory conditions found on board ship. Bunks used for this purpose have in many cases been found to contain (in addition to tarred rope and other classes of gear) quantities of disused articles of clothing, and in several instances these conditions were a means of harbouring vermin, and a number of vessels had to be fumigated either under my supervision or by persons undertaking such work on behalf of the owners. Sleeping space being used by two persons on change of watch has also been a result of gear occupying the bunks.

Structural defects have been well attended to by the Owners of vessels in this port, although a number have not been shown as remedied in the following table, either by reason of the vessels not having returned to this port, or as a result of my time being taken up with other work, and thus missing the following up of the notices served.

Three hundred and sixty-three vessels were inspected during the year, out of the total 7,802 vessels arriving in this district. Included in this figure were 300 vessels arriving from foreign ports, and of these, 88 inspections were made.

The increase in the number of vessels arriving in the district as shown by Form A, should prove that one Inspector cannot undertake to follow shipping inspection as it ought to be carried out, more especially in a port which is such an important food distributing centre.

No Statutory notices were issued. Informal notices numbering 143 were given in respect of 314 unsatisfactory conditions found on inspection.

The following Table (D) gives a list of the nuisances or defects in respect of which orders were given.

TABLE D.—Giving the number and nature of the Sanitary Defects found on the vessels inspected :—

| Nature of Nuisance or Defect.                                               | No. of Cases. | No. Remedied. |
|-----------------------------------------------------------------------------|---------------|---------------|
| Crew's quarters requiring cleansing, painting, etc. ....                    | 52            | 23            |
| Crew's quarters damp from leaky deck, broken or defective lights, etc. .... | 33            | 9             |
| Crew's quarters damp from leaky or defective chain or hawse-pipe ....       | 3             | 3             |
| Crew's quarters with defective or obstructed ventilation ....               | 33            | 17            |
| Crew's quarters verminous ....                                              | 5             | 5             |
| Gear stored in crew's space ....                                            | 54            | 24            |
| Offensive accumulation in crew's quarters ....                              | 4             | 3             |
| Food lockers requiring cleansing ....                                       | 54            | 23            |
| Pantries dirty or defective ....                                            | 1             | 1             |
| Dirty galley ....                                                           | 11            | 3             |
| Choked or dirty W.C.'s ....                                                 | 12            | 6             |
| Defective fresh-water tank ....                                             | 2             | 2             |
| Dirty fresh-water tank ....                                                 | 1             | 1             |
| Defective cover to fresh-water tank ....                                    | 2             | 1             |
| Fore peak under crew's quarters flooded with water ....                     | 3             | 1             |
| Defective door ....                                                         | 4             | —             |
| Emission of dense black smoke ....                                          | 1             | 1             |
| Vessels rat infested ....                                                   | 22            | 3             |
| Defective lights ....                                                       | 3             | 1             |
| Defective lockers ....                                                      | 5             | 2             |
| Chloride of lime stored in crew's sleeping space                            | 1             | 1             |
| No door between storeroom and crew's sleeping space ....                    | 3             | 3             |
| Insufficient beds ....                                                      | 2             | 2             |
| Pantry used as a sleeping space ....                                        | 1             | 1             |
| Bilges choked and offensive ....                                            | 1             | 1             |
| Defective stove-pipe ....                                                   | 1             | 1             |
| TOTALS ....                                                                 | 314           | 138           |

### Rats and Mice (Destruction) Act, 1919.

Most of the owners of Fishing Vessels have continued throughout the year with the services of a Ratcatcher engaged on contract, who carried out a systematic search for rats on vessels owned or managed by the respective firms. Results of his work are submitted by him each month showing the names of the vessels most infested, and I am able to check whether any improvements have been effected on making subsequent visits in my routine inspection of vessels.

Fumigations for rats have been carried out on 11 vessels by the Ratcatcher, and 8 fumigations by a firm of ship chandlers undertaking such work. In addition to the 19 fumigations carried out for deratisation, 36 fumigations were made with sulphur dioxide on account of Lice, Bugs, Cockroaches, etc., and a good number of dead rats were reported to have been collected as a result of the disinfection on board ship.

During Rat Week—4th to 11th November—107 rats were caught by trapping on 44 vessels. On the dock estate which is owned by the London Midland and Scottish Railway Co., prior to Rat Week, I made an inspection over the estate and submitted a list of the buildings and premises most infested, and preparation was made for the laying of poison baits, by a man being specially detailed by the Company for this work. In compliance with instructions given, the baits were laid daily in the places selected. Several dead rats were found, but the number was small in comparison with the number of baits taken, as many as 50 baits being taken on one night. The effort apparently had good results judging by the marked decrease in the rat population.

The following list shows the names of vessels on which the greatest number of dead rats were collected at one operation as a result of measures taken :—

| Name of Vessel.       | Nationality. | No. of Rats Collected. |
|-----------------------|--------------|------------------------|
| S.T. Ethel ... ..     | Icelandic    | 78                     |
| S.T. Lysander II ...  | British      | 22                     |
| S.T. Brock ... ..     | „            | 11                     |
| S.T. Cevic ... ..     | „            | 33                     |
| S.T. Lord George ...  | „            | 17                     |
| S.T. Velia ... ..     | „            | 13                     |
| S.T. Anida ... ..     | „            | 15                     |
| S.T. Kingston ... ..  | „            | 30                     |
| S.T. Noogana... ..    | „            | 23                     |
| S.T. Lincolnia ... .. | „            | 22                     |
| S.T. Connie ... ..    | „            | 19                     |
| S.T. Boscobel... ..   | „            | 33                     |

The number of rats reported by the Ratcatcher to have been destroyed on premises elsewhere in the district amount to 251—making a total of 3,378 rats.

### **Vessels from Infected Ports.**

No vessel from a port infected with Plague, Cholera, or Yellow Fever, arrived during the year.

### **Sickness on Vessels.**

No case of notifiable infectious disease occurred on any vessel entering the port during the year. Particulars of other forms of sickness, injury and death will be found in the Table appended :—

| Date.<br>1923. | Name of<br>Vessel.       | Nation-<br>ality. | Where<br>from. | Nature of<br>Sickness.         | Remarks.                                                                                                                                                                                                                                                                                         |
|----------------|--------------------------|-------------------|----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jan. 5         | <b>S.T. City of York</b> | British           | Sea            | Acute Rheumatism and Influenza | The Mate, J.L., aged 32 years, was brought back to port suffering from Acute Rheumatism and Influenza. He was removed to his home and received attention from the Medical Officer.                                                                                                               |
| " 25           | <b>S.T. Inverdon</b>     | British           | Loch Roag      | Injury                         | The Master, C., aged 52 years, received injury to thigh and body during fishing operations, and he received medical attention at Loch Roag for severe lacerated wounds. He was removed to his home in the ambulance on arrival at this port.                                                     |
| Feb. 8         | <b>S.T. Inverdee</b>     | British           | Campbeltown    | Abdominal Abscesses            | The Master reported having put into Campbeltown on account of the Chief Engineer suffering from Abdominal Abscesses. The patient was detained and underwent an operation with satisfactory results.                                                                                              |
| Mar. 14        | <b>S.T. Inverythan</b>   | British           | Mallaig        | Diabetes                       | H.M. Customs Officer reported a death on ship-board. It was ascertained that the Chief Engineer, J.S.H., aged 34 years, had suffered from Diabetes and had received medical attention at Campbeltown, Inverness, and later at Mallaig, where he died. The body was removed from Mallaig to Hull. |

| Date<br>1923. | Name of<br>Vessel.    | Nation-<br>ality. | Where<br>from. | Nature of<br>Sickness.              | Remarks.                                                                                                                                                                                                                                                                                    |
|---------------|-----------------------|-------------------|----------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| April 4       | S.T. Rattler          | British           | Sea            | Appendicitis.<br>Abdominal<br>Wound | The Master reported having returned to port, with a deck-hand, A.F., aged 21 years, suffering from injury to an abdominal wound, having previously been operated upon on account of Appendicitis. The patient was removed in the ambulance, to receive treatment in the Fleetwood Hospital. |
| " 30          | S.T. Eva Wales        | British           | Sea            | —                                   | It was ascertained that one of the crew had been landed from this vessel on account of sickness. No particulars were obtained as the vessel had put to sea the following day.                                                                                                               |
| May 6         | S.T. William Carberry | British           | Wexford        | Pneumonia                           | The Mate reported that the vessel had put into Wexford, Irish Free State, and left the Skipper, S.A.T., in Hospital. He was reported to be suffering from Pneumonia.                                                                                                                        |
| " 12          | S.T. Rattler          | British           | Sea            | Burns                               | It was ascertained that the cook, G.C., had been removed to port, suffering from burns.                                                                                                                                                                                                     |
| " 12          | S.T. Edward Cattelly  | British           | Sea            | Injury                              | It was ascertained that a fireman, J.L., had received injuries whilst proceeding to the fishing grounds. The vessel returned to port, and the patient was removed to the Fleetwood Hospital.                                                                                                |

| Date<br>1923. | Name of<br>Vessel.         | Nation-<br>ality. | Where<br>from.           | Nature of<br>Sickness. | Remarks.                                                                                                                                                                                                                                                                                            |
|---------------|----------------------------|-------------------|--------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| May 14        | <b>S.T. Grace Wetherly</b> | British           | Faroe<br>via<br>Aberdeen | Meningitis             | It was reported that the Master had died at Faroe six days after leaving this port. The body was landed at Aberdeen (the home port) and the vessel returned to Fleetwood. Communications from Aberdeen Public Health Department stated that the death of T.K. was due to Inflammation of the Brain. |
| " 22          | <b>S.T. Jacinta</b>        | British           | Sea                      | —                      | The motor ambulance was found waiting arrival of the vessel. The Cook, W.F., was removed to Fleetwood Hospital, and discharged after being examined.                                                                                                                                                |
| June 4        | <b>S.T. Inverdon</b>       | British           | Faroe                    | Injury                 | The Master reported having left a Deck-hand, A.S., aged 16 years, in Hospital at Thorshavn on account of injury to knee.                                                                                                                                                                            |
| " 4           | <b>S.T. Envoy</b>          | British           | Sea                      | Gastritis              | The Mate, G.R., aged 58 years, left the vessel on arrival, to receive medical attention, and was treated for Gastritis.                                                                                                                                                                             |
| " 11          | <b>S.T. Lucida</b>         | British           | Sea                      | Injury                 | It was ascertained that Engineer W.F., had been brought back to port on account of injury to an old wound. He was attended by the Medical Officer of Health.                                                                                                                                        |
| Aug. 9        | <b>S.T. Exmouth</b>        | British           | Killybegs                | Cold                   | The Master reported through the Customs Officer that he had left one of the crew in Killybegs with a Bronchial affection.                                                                                                                                                                           |

| Date<br>1923. | Name of<br>Vessel. | Nation-<br>ality. | Where<br>from. | Nature of<br>Sickness. | Remarks.                                                                                                                                        |
|---------------|--------------------|-------------------|----------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Sept. 21      | S.T. Erna          | British           | Sea            | Drowning               | The Master reported that W.L., aged 38 years, had been washed overboard whilst steaming to the fishing grounds on the 14th, during bad weather. |
| Oct. 11       | S.T. Ashlyn        | British           | Killybegs      | Bronchitis             | The Master reported to Customs Officer that he had left the Cook, E., aged 69 years, in Hospital at Killybegs, suffering from Chest trouble.    |
| Nov. 5        | S.T. Meresia       | British           | Sea            | Injury                 | The Master reported that P.B., aged 19 years, had been killed on the 3rd, through gear breaking whilst fishing.                                 |
| " 21          | S.T. Wyre          | British           | Sea            | Colic                  | The Master reported that Second Engineer A.M., had been taken into port to receive medical attention. The illness proved to be Colic.           |
| " 28          | S.T. Mumby         | British           | Dock           | Drowning               | It was ascertained that the Cook, W.M., aged 42 years, had fallen overboard and been drowned in Wyre Dock.                                      |
| Dec. 17       | S.T. Inverdon      | British           | Faroe          | —                      | The Master reported through Customs Officer, that the Cook had received medical attention at Faroe on account of poisoned hand.                 |
| " 19          | S.V. Vizma         | Lettish           | Libau          | Cold                   | The Customs Officer reported a sailor being under medical attention by a local practitioner, apparently for a severe cold.                      |

## IMPORTATION OF FOODS.

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### Food Inspection.

The Port of Fleetwood held the position of third of importance as a fishing port in England and Wales, and while the total weight of fish landed is short of that of last year—which was a record one—the number of voyages landed, show an increase of 344 catches over that of the previous year, making a total of 4,593 catches landed during 1923.

In addition to the fish landed at the port, there is the landing of foods from Ireland, the weight of which reached to its highest point towards the end of the year, consignments of meat reaching 60 packages, carcasses of pigs to the number of 200 in one cargo, while the Christmas perishable traffic reached somewhere about 500 tons, dead fowl alone being approximately 100 tons in one cargo; these consignments also included offal.

On a recent visit of Dr. Hancock, Medical Officer of the Ministry, he desired to have an examination made of the foods landed, and as far as possible a percentage examination was made; but with the steamer from Ireland berthing as early as 4-30 a.m., I have only been able to attend on occasions at the hour of commencing to discharge cargo, viz., 5-0 a.m., as I have to attend to the inspection of fish at Wyre Docks, where the sales commence at 8-30 a.m., and as the distance between the two places is considerable, it is obviously impossible for me to give continual supervision to the inspection of foods landed at both landing places.

### **The Public Health (Regulations as to Food) Act, 1907.**

#### **Unsound Food Regulations.**

Action was taken on 586 occasions under the above regulations, 580 of which were in respect of fish, 568 of the cases were on account of the fish being unsound, and 12 on account of disease.

Of the 586 cases, 571 were in respect of fish landed from fishing vessels, four ex-rail, three ex-Belfast steamers, and two cases were fish kept back in storage.

The remaining six cases were in respect of animals slaughtered at the Irish Animals Landing Wharf, but not including the animals slaughtered through being affected by Foot and Mouth Disease.

An order was made by the Ministry of Agriculture on the 27th August, prohibiting the landing of animals at the landing place, on account of an outbreak of Foot and Mouth Disease being confirmed in respect of the Lairage ; 48 animals, including 8 calves, were slaughtered, and disposed of by incineration.

Together with officers of the Ministry of Agriculture, and the Railway Superintendents, a suitable place was selected on the Dock Estate and the carcasses of the animals were removed from the Lairage in waggons and disposed of in a trench in the manner mentioned.

Supervision of disinfection was given special attention at the place of disposal, and satisfactory means were adopted.

The Lairage and Slaughterhouse received a thorough overhauling ; spraying and cleansing received special attention at both places, and everything was ready for the reception of further consignments at the commencement of the year.

On no occasion was it necessary to obtain a Justice's Order, the owners or their representatives surrendering the articles after notice of detention being given.

It was during the month of February that Dr. Hancock, Medical Officer of the Ministry, made a visit to this port, relative to the administration of the Unsound Food Regulations.

In compliance with his instructions, samples of preservatives in use were forwarded to the Ministry, including a sample of Hypochloride used in the manufacture of ice.

Several specimens of diseased forms of fish were submitted for pathological examination. The results showed forms of Carcinoma and Bothriocephalus.

The total amount of fish forfeited and destroyed during the year amounted to 3,742 cwts. 1 qr. 27 lbs., showing an increase of 923 cwts. over the preceding year. This is mainly accounted for by the extreme heat experienced in the months of July and August, otherwise the condition of fish landed showed an improvement.

The following Table gives the weight of fish landed and condemned in each year from 1914 to 1923 inclusive.

| Year | Weight landed | Weight condemned |      |      |
|------|---------------|------------------|------|------|
|      |               | cwts.            | qrs. | lbs. |
| 1914 | 799,388       | 2308             | 1    | 27   |
| 1915 | 317,614       | 470              | 0    | 6    |
| 1916 | 317,176       | 798              | 1    | 25   |
| 1917 | 283,917       | 190              | 2    | 8    |
| 1918 | 362,588       | 565              | 2    | 14   |
| 1919 | 776,354       | 1973             | 2    | 20   |
| 1920 | 964,304       | 7298             | 3    | 18   |
| 1921 | 901,474       | 4065             | 3    | 2    |
| 1922 | 1,118,920     | 2818             | 3    | 23   |
| 1923 | 937,424       | 3742             | 1    | 27   |

The number of landings from Steam Fishing Vessels amounted to :—

4,593 representing 724,448 Boxes,  
as against 2,821 „ 717,120 Boxes in 1921.

According to the Statistical Branch of the Ministry of Agriculture and Fisheries, the weight and values of the fish landed at Fleetwood were as follows :—

|            |        | Values.           |       | Weights.       |
|------------|--------|-------------------|-------|----------------|
|            |        | £                 |       | cwts.          |
| Wet Fish   | ... .. | 1,399,096         | ..... | 937,424        |
| Shell Fish | ...    | 2,861             | ..... | 1,789          |
| TOTAL      | ... .. | <u>£1,401,957</u> | ..... | <u>939,213</u> |

### Public Health (Shell-fish) Regulations, 1915.

No samples were collected, and no actions taken under the regulations during the year.

I am of the opinion that attention should be given to the shell-fish beds in the estuary, on account of the Sewage discharging into the river from neighbouring districts, as mentioned in my Report for the previous year.

There is a daily service of passenger Steamers to and from Belfast, and during the summer season to Barrow and the Isle of Man, in respect of the latter, the number of passengers reaching as high as 10,000 in a day.

The number and description of the animals imported from Ireland to the Irish Animals Landing Wharf during the year were :—

| Description.         | Number. |
|----------------------|---------|
| Horses ....          | 1,482   |
| Cattle ....          | 14,981  |
| Sheep and Lambs .... | 28,541  |
| Pigs ....            | 518     |
| Goats ....           | 1       |
| Asses ....           | 33      |
| Mules ....           | 18      |
| TOTAL ....           | 45,574  |

The Lairage remained closed from 27th August to the end of the year on account of the prohibiting orders of the Ministry of Agriculture, Foot and Mouth Disease Movement Orders, 1923.

Table showing the Quantities of other Foodstuffs destroyed during the year ending December 31st, 1923, at the Lairage :—

### Irish Animals Landing Wharf.

| Date.            | Description.                  | Weight<br>in lbs. | Why<br>Condemned. | Where<br>from. | Seized or<br>Forfeited. | How disposed of. |
|------------------|-------------------------------|-------------------|-------------------|----------------|-------------------------|------------------|
| 1923.<br>Jan. 10 | Liver of Cow                  | 13                | Fluked            | Belfast        | Surrendered             | Incineration.    |
| " 18             | Beef<br>Liver                 | 18<br>8           | Bruised<br>Fluked | "<br>"         | "<br>"                  | "<br>"           |
| April 24         | Liver                         | 12                | Fluked            | "              | "                       | "                |
| June 8           | Beef                          | 33                | Bruised           | "              | "                       | "                |
| July 9           | Carcase of Lamb and<br>organs | 35                | Asphyxiated       | "              | "                       | "                |
| Aug. 28          | Livers (2)                    | 16                | Fluked            | "              | "                       | "                |

# UNSOUND FOOD REGULATIONS.

Table showing the Total Quantities of Different Varieties of Fish forfeited and destroyed in each month during the year ending December 31st, 1923.

| Month.                                                                               | Bream            | Cat Fish       | Cockles | Cod and<br>Codling | Cray Fish | Dories | Forkbeards     | Gurnards         | Haddocks         | Hake             | Halibut                         | Herrings         | Ling           | Mackerel         | Megrims         | Mixed Fish      | Plaice         | Pollack         | Roes            | Saithe          | Salmon         | Skate and<br>Roker | Soles          | Squids | Turbot | Tusk           | Whiting         | Witches        | Totals for<br>each month |                 |            |
|--------------------------------------------------------------------------------------|------------------|----------------|---------|--------------------|-----------|--------|----------------|------------------|------------------|------------------|---------------------------------|------------------|----------------|------------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|----------------|--------------------|----------------|--------|--------|----------------|-----------------|----------------|--------------------------|-----------------|------------|
| January ....                                                                         | —                | —              | —       | $\frac{3}{4}$      | —         | —      | —              | —                | $7\frac{3}{4}$   | 10               | —                               | 141              | —              | —                | —               | $6\frac{1}{4}$  | —              | —               | —               | $7\frac{1}{4}$  | —              | —                  | —              | —      | —      | —              | —               | —              | —                        | cwts. qrs. lbs. |            |
| February ....                                                                        | —                | —              | 3       | 15                 | —         | —      | —              | —                | 4                | $3\frac{1}{2}$   | —                               | $11\frac{1}{4}$  | —              | —                | —               | —               | —              | $1\frac{1}{4}$  | $6\frac{3}{4}$  | $2\frac{1}{4}$  | —              | $2\frac{1}{4}$     | —              | —      | —      | —              | 9               | —              | —                        | 173 0 0         |            |
| March ....                                                                           | —                | 3              | —       | $14\frac{1}{2}$    | 13        | —      | —              | 55               | 26               | $6\frac{3}{4}$   | —                               | $3\frac{3}{4}$   | —              | —                | 3               | $1\frac{1}{2}$  | —              | 1               | 24              | $5\frac{1}{2}$  | —              | —                  | —              | —      | —      | —              | —               | —              | —                        | 58 1 0          |            |
| April ....                                                                           | —                | —              | —       | —                  | —         | —      | $1\frac{1}{2}$ | $1\frac{1}{2}$   | $1\frac{1}{4}$   | 5                | —                               | $3\frac{3}{4}$   | 1              | $1\frac{1}{4}$   | $2\frac{1}{2}$  | 4               | —              | —               | $13\frac{3}{4}$ | $4\frac{1}{4}$  | —              | —                  | —              | 3      | —      | —              | —               | —              | —                        | 42 3 0          |            |
| May ....                                                                             | 3                | —              | —       | $3\frac{3}{4}$     | —         | —      | —              | $12\frac{1}{2}$  | 31               | $22\frac{3}{4}$  | —                               | —                | —              | $2\frac{1}{4}$   | 15              | 20              | —              | $1\frac{1}{4}$  | 10              | 10              | —              | —                  | —              | —      | —      | —              | $14\frac{1}{2}$ | $2\frac{1}{2}$ | —                        | 148 0 0         |            |
| June ....                                                                            | $9\frac{3}{4}$   | —              | —       | 4                  | —         | —      | —              | $26\frac{1}{2}$  | 47               | $66\frac{1}{2}$  | —                               | $21\frac{3}{4}$  | —              | $7\frac{1}{2}$   | $29\frac{1}{2}$ | $48\frac{3}{4}$ | $6\frac{1}{4}$ | 10              | $11\frac{1}{2}$ | $14\frac{1}{2}$ | —              | 1                  | —              | —      | —      | —              | —               | —              | —                        | lbs.<br>10      |            |
| July ....                                                                            | $106\frac{1}{4}$ | $1\frac{1}{4}$ | —       | $47\frac{1}{2}$    | —         | —      | $3\frac{3}{4}$ | $155\frac{3}{4}$ | $105\frac{1}{4}$ | 106              | Dis.<br>$51\frac{3}{8}$<br>lbs. | 22               | $1\frac{1}{4}$ | $516\frac{1}{4}$ | 49              | 76              | —              | $14\frac{1}{4}$ | 30              | $93\frac{1}{2}$ | —              | 10                 | —              | —      | —      | —              | —               | —              | —                        | —               | lbs.<br>24 |
| August ....                                                                          | $38\frac{3}{4}$  | —              | —       | $23\frac{1}{2}$    | —         | —      | —              | $71\frac{1}{2}$  | $117\frac{1}{4}$ | $119\frac{1}{8}$ | 163<br>lbs.<br>56<br>lbs.       | $50\frac{1}{4}$  | 1              | 81               | $21\frac{3}{4}$ | $36\frac{1}{4}$ | —              | $1\frac{1}{2}$  | 2               | $24\frac{1}{4}$ | —<br>lbs.<br>6 | $12\frac{3}{4}$    | $1\frac{1}{4}$ | —      | —      | —              | —               | —              | —                        | —               | 623 2 9    |
| September                                                                            | 20               | —              | —       | —                  | —         | 1      | —              | $9\frac{1}{4}$   | $13\frac{3}{4}$  | 48               | —                               | $278\frac{1}{2}$ | —              | $113\frac{1}{2}$ | —               | 41              | —              | —               | —               | $18\frac{3}{4}$ | —              | 3                  | —              | —      | —      | $2\frac{1}{2}$ | $3\frac{3}{4}$  | —              | —                        | 553 2 6         |            |
| October ....                                                                         | $5\frac{3}{4}$   | —              | —       | —                  | —         | —      | —              | 15               | $15\frac{1}{4}$  | $31\frac{1}{2}$  | 63                              | 36               | —              | 24               | $6\frac{1}{2}$  | $27\frac{1}{2}$ | —              | 1               | —               | $4\frac{1}{4}$  | —              | 3                  | —              | —      | —      | —              | —               | —              | —                        | 170 1 7         |            |
| November....                                                                         | 3                | —              | —       | —                  | —         | —      | —              | 6                | 6                | $5\frac{3}{4}$   | —                               | 2                | —              | $8\frac{3}{4}$   | $1\frac{1}{4}$  | 9               | —              | —               | —               | $1\frac{1}{2}$  | —              | —                  | —              | —      | —      | —              | —               | —              | —                        | lbs.<br>20      |            |
| December                                                                             | $1\frac{1}{2}$   | —              | —       | $1\frac{1}{2}$     | —         | —      | —              | 18               | 9                | $15\frac{1}{2}$  | —                               | —                | —              | —                | —               | $7\frac{1}{4}$  | —              | —               | —               | $24\frac{1}{2}$ | —              | —                  | —              | —      | —      | —              | 3               | —              | —                        | 80 1 0          |            |
| Totals of each<br>kind of fish<br>destroyed dur-<br>ing the year.<br>cwts. qrs. lbs. | 188 0 0          | 4 1 0          | 3 0 0   | 110 2 0            | 13 0 0    | 1 0 0  | 5 1 0          | 371 0 0          | 383 2 0          | 439 3 14         | 8 0 9                           | 570 1 0          | 3 1 0          | 754 2 0          | 128 2 0         | 277 2 0         | 6 1 0          | 30 1 0          | 98 0 0          | 210 2 0         | 0 0 6          | 32 0 0             | 1 1 0          | 3 0 0  | 0 1 26 | 2 2 0          | 89 1 0          | 7 2 0          | 3,742 1 27               |                 |            |

Weight in cwts. unless otherwise stated.



## Imports and Exports.

The following is a list of the ports or places, Foreign and British, with which Fleetwood has trade :—

### Foreign Trade.

|                      | IMPORTS.          | EXPORTS. |
|----------------------|-------------------|----------|
| Pensacola ... ..     | Timber            | —        |
| Libau ... ..         | do.               | —        |
| Canada ... ..        | do.               | —        |
| Trinidad ... ..      | Bitumen           | —        |
| St. Malo ... ..      | Light             | —        |
| Rouen ... ..         | do.               | —        |
| Irish Free State ... | do.               | —        |
| Iceland ... ..       | Wet and Salt Fish | Coal.    |
| Faroe ... ..         | Wet and Salt Fish | —        |
| Ostend ... ..        | Wet Fish          | —        |
| Marseilles ... ..    | Tiles             | —        |

### Coastwise Trade.

|                  | IMPORTS.                                                                    | EXPORTS.                       |
|------------------|-----------------------------------------------------------------------------|--------------------------------|
| Belfast ... ..   | General Cargo including Carcases, Bacon, Eggs, Butter, Potatoes and Spirits | General Cargo, including Fish. |
| Bristol ... ..   | —                                                                           | Ash and Salt.                  |
| London ... ..    | —                                                                           | Ash.                           |
| Newcastle ... .. | —                                                                           | do.                            |
| Glasgow ... ..   | —                                                                           | Salt.                          |
| Irvine ... ..    | —                                                                           | do.                            |
| Troon ... ..     | —                                                                           | do.                            |
| Ardrossan ... .. | —                                                                           | do.                            |
| Plymouth ... ..  | China Clay                                                                  | —                              |
| Fowey ... ..     | do.                                                                         | —                              |
| Llandulas ... .. | Stone                                                                       | —                              |
| Penmaenmawr ...  | do.                                                                         | —                              |

### **Fish Curing and Fish Packing Houses.**

The total inspections made to Fish Curing and Packing Houses during the year numbered 185, and the number of nuisances found was 31. In each case where insanitary conditions were found to exist, notice to remedy was given, and complied with.

Further enquiries were made from time to time relative to the use of preservatives in the curing of fish, and the following were found on premises :—

Keep's Preservative Solution.

Salunol Solution.

Glassaline Powder.

Perbolate of Soda Powder.

Fulda's Compo Powder.

Samples were forwarded to the Ministry, including Fulda's Patent Compo, and Hypochloride.

The condition of the roadway leading to the curing houses in Siding Road was most unsatisfactory at times, especially during wet periods.

The total number of premises engaged in the curing and preparation of fish for food, at the end of the year was 16.

The following Table shows the number of inspections, month by month, together with the nuisances or defects found :—

| No. of Visits<br>and<br>Nature of Nuisance<br>or Defect.         | January | February | March | April | May | June | July | August | September | October | November | December | Totals |
|------------------------------------------------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|--------|
| Number of Visits                                                 | 13      | 8        | 16    | 14    | 17  | 12   | 18   | 19     | 16        | 19      | 20       | 13       | 185    |
| Offensive accumula-<br>tion of Offal ....                        | —       | 1        | 2     | 2     | —   | 3    | 2    | —      | 3         | 3       | 1        | 1        | 18     |
| Dirty Floor ....                                                 | —       | —        | —     | —     | —   | —    | —    | —      | —         | 1       | —        | —        | 1      |
| Offensive liquid drain-<br>ing from Door of<br>Curing House .... | —       | —        | 1     | —     | —   | —    | —    | —      | —         | —       | —        | —        | 1      |
| Defective seat of<br>W.C. ....                                   | —       | —        | —     | 1     | —   | —    | —    | —      | —         | —       | —        | —        | 1      |
| Defective pan of W.C.                                            | —       | —        | —     | 1     | —   | —    | —    | —      | —         | —       | —        | —        | 1      |
| Dirty Convenience ....                                           | —       | —        | —     | 1     | —   | —    | —    | —      | —         | —       | —        | —        | 1      |
| Uncovered manure<br>pit in close proximi-<br>ty to food ....     | —       | —        | —     | —     | —   | —    | 1    | —      | —         | —       | —        | —        | 1      |
| Offensive smells from<br>exhaust ....                            | —       | —        | —     | —     | —   | —    | —    | 1      | —         | —       | —        | —        | 1      |
| Defective Drain ....                                             | —       | —        | —     | —     | —   | —    | —    | 1      | —         | —       | —        | —        | 1      |
| Choked Drainage ....                                             | —       | —        | —     | —     | —   | —    | —    | —      | 1         | 1       | —        | —        | 2      |
| Uncovered Gullies ....                                           | —       | —        | —     | —     | —   | —    | —    | —      | 3         | —       | —        | —        | 3      |
| TOTALS ....                                                      | —       | 1        | 3     | 5     | —   | 3    | 3    | 2      | 7         | 5       | 1        | 1        | 31     |

### Port Isolation Hospital.

On the 7th of June a Sergeant of the Dock Police notified me of damage having been done to the Hospital, and on making inspection the following day, I found the Mortuary had been broken into, and the wood and coke removed. All the windows on the south side of the Hospital were broken, including the nurses' room window. Broken glass and crockery were strewn over the floors. The kitchen range was damaged and disconnected, and entrance had been gained to the loft by the hatchway and the plaster of the ceiling damaged.

From all appearances the premises had been used for living in, and enquiries were made with a view to finding out the persons causing the damage or living about the place.

Further damage was reported having been done to the Hospital in the month of October, and I was notified by the Dock Police that they had found a stove in a ditch on the dock estate and a wheel track had been traced to the Isolation Hospital. On making inspection that afternoon I found the range had been removed from the kitchen. The woodwork of the south windows had been broken and only one pane of glass remained unbroken. The remaining crockery had been broken. The range has since been stored in the Town's Yard.

The above damage was reported to my Authority in the months of June and October respectively.

The above visits being additional to the ordinary monthly visits.

### Premises on Docks and Harbour.

Visits to the number of 1,767 were made to various premises and places in the District, the following nuisances or defects were found, and notice to remedy given :—

|                                           |     |     |     |     |     | Cases. Remedied. |    |
|-------------------------------------------|-----|-----|-----|-----|-----|------------------|----|
| Wire, etc., obstructing cleansing of Fish |     |     |     |     |     |                  |    |
| Stage                                     | ... | ... | ... | ... | ... | 5                | 5  |
| Offensive smelling offal barrels          | ... | ... | ... | ... | ... | 12               | 12 |

|                                              | Cases. |     | Remedied. |  |
|----------------------------------------------|--------|-----|-----------|--|
| Conveniences requiring cleansing or lime-    |        |     |           |  |
| washing ... ..                               | 25     | ... | 25        |  |
| Offensive smells from manhole ... ..         | 2      | ... | 2         |  |
| Offensive accumulation ... ..                | 22     | ... | 22        |  |
| Offensive rubbish waggon ... ..              | 1      | ... | 1         |  |
| Insufficient flushing of Conveniences ... .. | 2      | ... | 2         |  |
| Septic tank offensive ... ..                 | 2      | ... | 1         |  |
| Refuse bins or pits offensive ... ..         | 2      | ... | 2         |  |
| Drainage choked ... ..                       | 6      | ... | 6         |  |
| Choked W.C.'s ... ..                         | 9      | ... | 9         |  |
| Premises requiring limewashing ... ..        | 3      | ... | 3         |  |
| Nuisances in fish waggon ... ..              | 2      | ... | 2         |  |
| Defective waste-pipe ... ..                  | 1      | ... | 1         |  |
| Defective flushing cistern... ..             | 1      | ... | 1         |  |
| Unpaved area ... ..                          | 1      | ... | —         |  |
| Choked grids ... ..                          | 3      | ... | 3         |  |
| Packages requiring cleansing ... ..          | 2      | ... | 2         |  |
|                                              | 101    | ... | 99        |  |

### Fish Stage.

The improved conditions on the Fish Stage have been maintained. Repairs were kept well in hand, and cleansing on and around the fish stage where the foods are loaded has been carried out on a routine system.

The personal support of the Dock Superintendent has been a great help in making the improved conditions. I am specially indebted to him for his interest in the disposal of the refuse so liable to become offensive around the docks.

During the year the incinerator was reconstructed and enlarged, and this improvement has made it possible to deal comfortably with three waggon loads of refuse in a day, and a man is kept almost wholly employed in attending to the incinerator.

The dilapidated portion of the roof of Fish Stage mentioned in last year's report has been re-roofed.

### **Sanitary Conveniences.**

The conveniences around the docks have been kept more satisfactory, and my requests for the cleansing and limewashing have been readily complied with.

The pail closets have been fairly well kept considering they are in an exposed position. The contents are removed at least twice weekly and disposed of regularly by the incinerator.

### **Fish Meal and Oil Factories.**

The premises have been inspected regularly each month and in addition to the visits of inspection, special observations were made on the works relative to the emanations of smells. The alterations which were in progress and referred to in last year's report were completed about the month of February, and during the month of March your Authority made a visit of inspection to see the plant working, also the recently altered condensation plant.

I was instructed to make observation again in the month of July, and to submit a special report for consideration of my Authority. This was complied with on the 18th July.

In the month of October I was instructed to take no further action in respect of smells emanating from the above works, although on my appointment this was part of the duties I had to undertake and to possess a special knowledge of the processes.

**MITCHELL CURR,**

Port Sanitary Inspector and Assistant Inspector  
under the Unsound Food Regulations.